



KESTAR ELECTRONIC (CHINA) CO., LTD.
廣東省佛山科星電子有限公司

ELECTRONIC

KESTAR



Metal Oxide Varistors

氧化鋅壓敏電阻器



KESTAR

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MYG GENERAL SERIES

MYG通用型系列



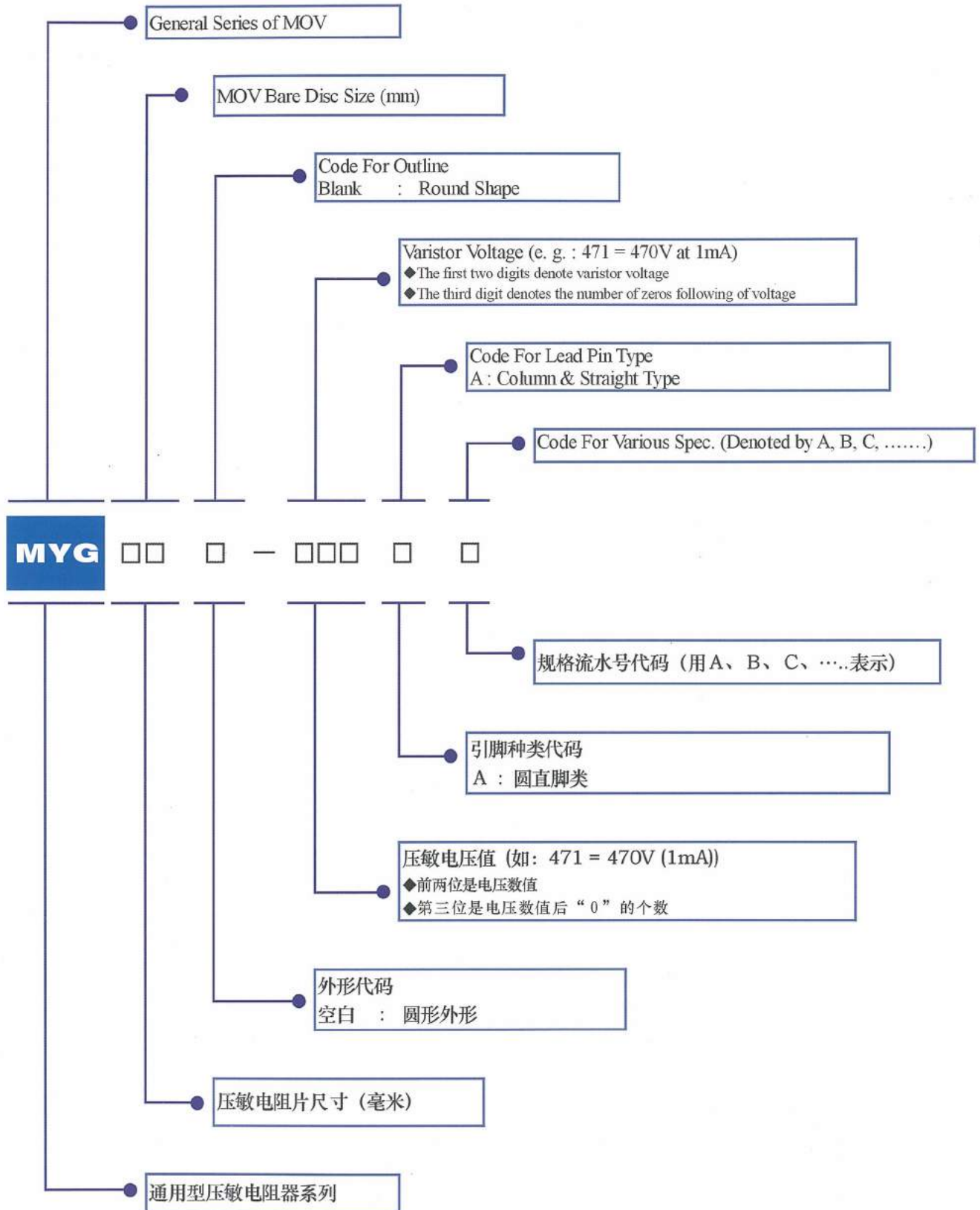
FEATURES

特点说明

Steady State AC Voltage Range ($V_{M(AC)RMS}$)	稳压交流电压定值	11V ~ 1000V
High Peak Surge Current Rating (I_{TM}) 8/20 μ s Pulse	高峰值冲击电流值	250A ~ 10000A
Single-Pulse Energy Range (W_{TM}) 2ms Square Wave	单次脉冲能量	0.40J ~ 860J
Average Power dissipation of transients	瞬间平均功率	< 0.10 W ~ < 1.00 W
Operating Temperature Range	工作温度	-55°C ~ +85°C
Storage Temperature Range	贮存温度	-55°C ~ +125°C
Hi-Pot Encapsulation (Isolation Voltage Capability)	绝缘耐压容量	2500 V _{DC}
Insulation Resistance	绝缘电阻	1000 M Ω
Maximum Voltage-Temperature Coefficient	最大电压温度系数	< 0.01% / °C
Response time	响应时间	< 25ns

KVR ITEM NUMBERING SYSTEM

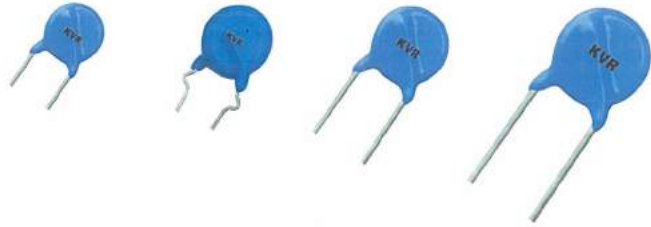
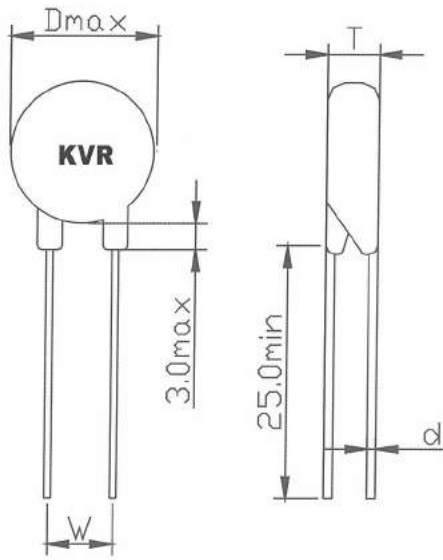
KVR 产品型号编码规则



MYG GENERAL SERIES

DIMENSIONS

外型尺寸



Unit : mm

单位：毫米

Size	D max.	d (± 0.05)	W (± 1.0)
MYG05	7.50	0.60	5.00
MYG07	9.00	0.60	5.00
MYG10	14.00	0.80	7.50
MYG14	17.50	0.80	7.50
MYG20	25.00	1.00	10.00

NET WEIGHT TABLE

各规格重量表

Item No. 型号	Weight (g) ± 0.50				
	MYG05	MYG07	MYG10	MYG14	MYG20
-180A	0.50	0.80	1.20	1.50	2.70
-220A	0.50	0.80	1.20	1.50	2.70
-270A	0.50	0.80	1.20	1.50	2.70
-330A	0.50	0.80	1.20	1.50	2.70
-390A	0.51	0.80	1.20	1.50	2.70
-470A	0.51	0.80	1.20	1.50	2.70
-560A	0.51	0.80	1.20	1.50	2.70
-680A	0.52	0.80	1.20	1.50	2.70
-820A	0.53	0.80	1.20	1.50	2.70
-101A	0.54	0.80	1.20	1.50	3.10
-121A	0.55	0.80	1.20	1.50	3.10
-151A	0.56	0.80	1.20	1.50	3.30
-181A	0.58	0.90	1.30	1.60	3.30
-201A	0.64	0.90	1.30	1.80	3.30
-221A	0.65	0.90	1.40	1.80	3.30
-241A	0.66	1.00	1.50	1.80	3.70
-271A	0.67	1.00	1.50	1.90	3.70
-301A	0.71	1.10	1.50	1.90	3.80
-331A	0.73	1.10	1.60	2.00	4.10
-361A	0.74	1.20	1.60	2.30	4.10
-391A	0.77	1.20	1.60	2.70	4.50
-431A	0.82	1.30	1.70	3.00	4.90
-471A	0.84	1.30	1.70	3.00	5.30
-511A		1.40	1.70	3.30	5.70
-561A		1.40	1.70	3.30	6.10
-621A		1.50	1.90	3.40	6.30
-681A		1.50	1.90	3.60	6.30
-751A		1.70	2.20	3.60	6.30
-781A		1.80	2.20	3.60	6.70
-821A		1.80	2.50	3.60	6.70
-911A			2.90	3.90	7.40
-102A			3.00	3.90	7.90
-112A			3.00	4.40	8.10
-182A			3.50	5.00	8.80

T MAX. TABLE

各规格 T 值表

Item No. 型号	T max. (mm)				
	MYG05	MYG07	MYG10	MYG14	MYG20
-180A	4.40	4.40	4.80	4.80	5.20
-220A	4.50	4.50	4.90	4.90	5.30
-270A	4.60	4.60	5.00	5.00	5.40
-330A	4.80	4.80	5.20	5.20	5.60
-390A	5.00	5.00	5.40	5.40	5.80
-470A	5.20	5.20	5.60	5.60	6.00
-560A	5.40	5.40	5.80	5.80	6.20
-680A	5.70	5.70	6.10	6.10	6.50
-820A	4.00	4.00	4.40	4.40	4.80
-101A	4.40	4.40	4.80	4.80	5.20
-121A	4.50	4.50	4.90	4.90	5.30
-151A	4.50	4.50	4.90	4.90	5.30
-181A	4.60	4.60	5.00	5.00	5.40
-201A	4.70	4.70	5.10	5.10	5.50
-221A	4.70	4.70	5.10	5.10	5.50
-241A	4.70	4.70	5.10	5.10	5.50
-271A	4.80	4.80	5.20	5.20	5.60
-301A	4.80	4.80	5.20	5.20	5.60
-331A	4.90	4.90	5.30	5.30	5.70
-361A	4.90	4.90	5.30	5.30	5.70
-391A	5.10	5.10	5.50	5.50	5.90
-431A	5.30	5.30	5.70	5.70	6.10
-471A	5.50	5.50	5.90	5.90	6.30
-511A		5.70	6.10	6.10	6.50
-561A		6.00	6.40	6.40	6.80
-621A		6.30	6.70	6.70	7.10
-681A		6.60	7.00	7.00	7.40
-751A		7.00	7.40	7.40	7.80
-781A		7.00	7.40	7.40	7.80
-821A		7.40	7.80	7.80	8.20
-911A			8.20	8.20	8.60
-102A			8.70	8.70	9.10
-112A			9.20	9.20	9.60
-182A			13.90	13.90	14.30

ELECTRICAL CHARACTERISTICS

电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格						MAXIMUM RATING (85°C) 最大额定值					CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip 下限制电压		Typical Capacitance 典型电容量	Continuous Voltage 连续电压		Energy 能量 (J)		Peak Current 峰值电流 (8/20μs)	CE	VDE	UL
	Min (V)	V _{NDC} (V)	Max (V)	Vc (V)	Ip (A)	F= 1KHz (pF)	V _{RMS}	V _{DC}	W _{TM}		I _{TM} (A)			
							V _{M(AC)} (V)	V _{M(DC)} (V)	10/1000μs	2ms				
MYG05-180A MYG07-180A MYG10-180A MYG14-180A MYG20-180A	15.6	18	20.5	40 36 36 36	1 2 5 10 20	1600 3800 16000 25000 40000	11	14	0.6 1.1 2.6 5.2 13	0.4 0.9 2.2 3.3 12	250 500 1000 2000 3000	★ ★ ★ ★ ★	▲ ▲	
MYG05-220A MYG07-220A MYG10-220A MYG14-220A MYG20-220A	20	22	25	48 43 43 43	1 2 5 10 20	1500 3600 11000 20000 30000	14	18	0.5 1.0 2.6 5.3 14	0.7 1.3 3.2 6.3 16	250 500 1000 2000 3000	★ ★ ★ ★ ★	▲ ▲	
MYG05-270A MYG07-270A MYG10-270A MYG14-270A MYG20-270A	24	27	30.5	60 53 53 53	1 2 5 10 20	1450 3400 8000 16000 24500	17	22	0.7 1.3 3.2 6.5 17	0.9 1.6 3.9 7.8 19	250 500 1000 2000 3000	★ ★ ★ ★ ★	▲ ▲	
MYG05-330A MYG07-330A MYG10-330A MYG14-330A MYG20-330A	29	33	37	73 65 65 65	1 2 5 10 20	1400 2900 6300 12200 20000	20	26	0.8 1.6 4.0 7.9 21	1.1 2.0 4.8 9.5 24	250 500 1000 2000 3000	★ ★ ★ ★ ★	▲ ▲	
MYG05-390A MYG07-390A MYG10-390A MYG14-390A MYG20-390A	35	39	43	86 77 77 77	1 2 5 10 20	700 1600 5200 7000 13800	25	31	0.9 1.9 4.7 9.4 25	1.2 2.4 5.6 11 28	250 500 1000 2000 3000	★ ★ ★ ★ ★	▲ ▲	
MYG05-470A MYG07-470A MYG10-470A MYG14-470A MYG20-470A	42	47	52	104 93 93 93	1 2 5 10 20	650 1550 4600 6750 13500	30	38	1.1 2.3 5.6 11 30	1.5 2.8 6.8 14 34	250 500 1000 2000 3000	★ ★ ★ ★ ★	▲ ▲	
MYG05-560A MYG07-560A MYG10-560A MYG14-560A MYG20-560A	50	56	62	123 110 110 110	1 2 5 10 20	600 1500 3750 6500 12200	35	45	1.3 2.7 6.7 13 36	1.8 3.4 8.1 16 41	250 500 1000 2000 3000	★ ★ ★ ★ ★	▲ ▲	
MYG05-680A MYG07-680A MYG10-680A MYG14-680A MYG20-680A	61	68	75	150 135 135 135	1 2 5 10 20	580 1200 2800 5500 11500	40	56	1.6 3.3 8.2 16 44	2.2 5.2 13 20 49	250 500 1000 2000 3000	★ ★ ★ ★ ★	▲ ▲	
MYG05-820A MYG07-820A MYG10-820A MYG14-820A MYG20-820A	74	82	90	145 135 140 140	5 10 25 50 100	310 860 1920 4300 8200	50	65	2.5 5 10 20 40	3.5 7 14 28 56	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲ ▲	◆ ◆ ◆ ◆ ◆
MYG05-101A MYG07-101A MYG10-101A MYG14-101A MYG20-101A	90	100	110	175 165 165 165	5 10 25 50 100	290 750 1800 3500 8000	60	81	3.0 6.0 12 25 50	2.0 9 18 36 72	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲ ▲	◆ ◆ ◆ ◆ ◆

MYG GENERAL SERIES

ELECTRICAL CHARACTERISTICS

电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格						MAXIMUM RATING (85°C) 最大额定值					CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压			@I _p Clamping Voltage 在I _p 下限制电压		Typical Capacitance 典型电容量	Continuous Voltage 连续电压		Energy 能量 (J)		Peak Current 峰值电流 (8/20μs)	CE	VDE	UL
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)	F=1KHz (pF)	V _{RMS}	V _{DC}	W _{TM}		I _{TM} (A)			
							V _{M(AC)} (V)	V _{M(DC)} (V)	10/1000μS	2ms				
MYG05-121A	108	120	132	210	5	270	75	100	3.5	2.0	800	★		◆
MYG07-121A				200	10	530			7.0	11	1750	★		◆
MYG10-121A				200	25	1500			14.5	22	3500	★		◆
MYG14-121A				200	50	2500			30	44	6000	★		◆
MYG20-121A				200	100	5500			60	88	10000	★		◆
MYG05-151A	135	150	165	260	5	240	95	125	4.5	2.5	800	★		◆
MYG07-151A				250	10	410			9.0	13	1750	★		◆
MYG10-151A				250	25	1200			18	25	3500	★	▲	◆
MYG14-151A				250	50	2100			37.5	53	6000	★	▲	◆
MYG20-151A				250	100	4200			75	106	10000	★		◆
MYG05-181A	163	180	198	325	5	140	115	150	5.2	2.5	800	★		◆
MYG07-181A				300	10	300			10.4	15	1750	★		◆
MYG10-181A				300	25	620			21	32	3500	★	▲	◆
MYG14-181A				300	50	1250			42	65	6000	★	▲	◆
MYG20-181A				300	100	2500			84	130	10000	★		◆
MYG05-201A	185	200	225	355	5	120	130	170	6.0	2.5	800	★		◆
MYG07-201A				340	10	250			12.5	17.5	1750	★		◆
MYG10-201A				340	25	570			25	45	3500	★	▲	◆
MYG14-201A				340	50	1150			50	70	6000	★	▲	◆
MYG20-201A				340	100	2300			100	150	10000	★		◆
MYG05-221A	198	220	242	380	5	110	140	180	6.5	9	800	★		◆
MYG07-221A				360	10	250			13.5	20	1750	★		◆
MYG10-221A				360	25	560			27.5	50	3500	★	▲	◆
MYG14-221A				360	50	1100			55	78	6000	★	▲	◆
MYG20-221A				360	100	2200			110	160	10000	★		◆
MYG05-241A	216	240	264	415	5	110	150	200	7.5	10.5	800	★		◆
MYG07-241A				395	10	240			15	21	1750	★		◆
MYG10-241A				395	25	550			30	45	3500	★	▲	◆
MYG14-241A				395	50	1050			60	84	6000	★	▲	◆
MYG20-241A				395	100	2200			120	170	10000	★		◆
MYG05-271A	255	270	303	475	5	100	175	225	8	11	800	★		◆
MYG07-271A				455	10	220			17	24	1750	★		◆
MYG10-271A				455	25	530			35	60	3500	★	▲	◆
MYG14-271A				455	50	1000			70	99	6000	★	▲	◆
MYG20-271A				455	100	2100			135	190	10000	★		◆
MYG05-301A	276	300	330	505	5	100	195	250	8.8	12	800	★		◆
MYG07-301A				500	10	190			18.5	26	1750	★		◆
MYG10-301A				500	25	500			38	53	3500	★	▲	◆
MYG14-301A				500	50	900			78	108	6000	★	▲	◆
MYG20-301A				500	100	1800			148	216	10000	★		◆
MYG05-331A	297	330	363	600	5	90	210	275	9.5	13	800	★		◆
MYG07-331A				550	10	180			20	28	1750	★		◆
MYG10-331A				550	25	450			42	58	3500	★	▲	◆
MYG14-331A				550	50	850			80	120	6000	★	▲	◆
MYG20-331A				550	100	1750			160	230	10000	★		◆
MYG05-361A	326	360	396	620	5	80	230	300	11	16	800	★		◆
MYG07-361A				595	10	170			23	32	1750	★		◆
MYG10-361A				595	25	450			45	65	3500	★	▲	◆
MYG14-361A				595	50	850			90	135	6000	★	▲	◆
MYG20-361A				595	100	1700			180	270	10000	★		◆

ELECTRICAL CHARACTERISTICS

电性能参数

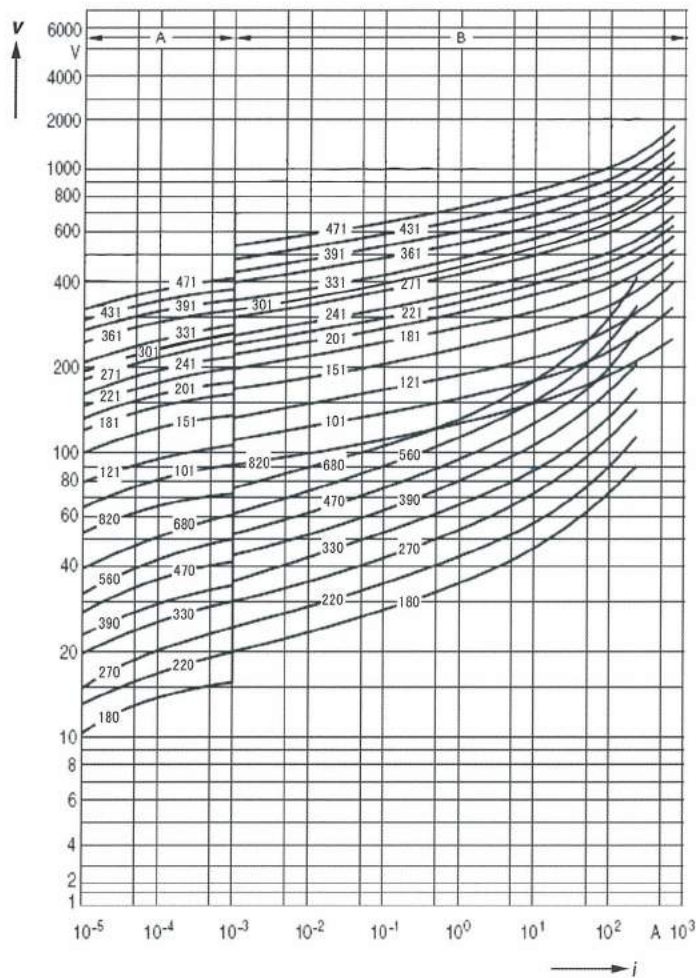
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格						MAXIMUM RATING (85°C) 最大额定值					CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip下限制电压		Typical Capacitance 典型电容容量	Continuous Voltage 连续电压		Energy 能量 (J)		Peak Current 峰值电流 (8/20μs)	CE	VDE	UL
	Min (V)	V _{N(DC)} (V)	Max (V)	Vc (V)	Ip (A)	F=1KHz (pF)	V _{RMS}	V _{DC}	W _{TM}		I _{TM} (A)			
							V _{M(AC)} (V)	V _{M(DC)} (V)	10/1000μS	2ms				
MYG05-391A	354	390	432	675	5	80	250	320	12	17	800	★		◆
MYG07-391A				650	10	160			25	35	1750	★		◆
MYG10-391A				650	25	430			50	70	3500	★	▲	◆
MYG14-391A				650	50	800			100	145	6000	★	▲	◆
MYG20-391A				650	100	1400			195	300	10000	★		◆
MYG05-431A	389	430	473	745	5	70	275	350	13.5	20	800	★		◆
MYG07-431A				710	10	150			27.5	40	1750	★		◆
MYG10-431A				710	25	400			55	80	3500	★	▲	◆
MYG14-431A				710	50	650			110	160	6000	★	▲	◆
MYG20-431A				710	100	1350			215	325	10000	★		◆
MYG05-471A	425	470	517	810	5	70	300	385	15	21	800	★		◆
MYG07-471A				775	10	130			30	42	1750	★		◆
MYG10-471A				775	25	300			60	85	3500	★	▲	◆
MYG14-471A				775	50	550			125	175	6000	★	▲	◆
MYG20-471A				775	100	1200			250	350	10000	★		◆
MYG07-511A	459	510	561	845	10	120	320	410	32	46	1750	★		◆
MYG10-511A				845	25	260			67	92	3500	★	▲	◆
MYG14-511A				845	50	450			136	190	6000	★	▲	◆
MYG20-511A				845	100	1050			273	385	10000	★		◆
MYG07-561A				509	560	610			915	10	120	350	460	32
MYG10-561A	915	25	200				67	92	3500	★	▲			◆
MYG14-561A	915	50	400				136	200	6000	★	▲			◆
MYG20-561A	915	100	850				273	390	10000	★				◆
MYG07-621A	558	620	682				1025	10	120	385	505			32
MYG10-621A				1025	25	170	67	107	3500			★	▲	◆
MYG14-621A				1025	50	350	136	215	6000			★	▲	◆
MYG20-621A				1025	100	570	273	410	10000			★		◆
MYG07-681A				612	680	746	1120	10	120			420	560	32
MYG10-681A	1120	25	160				67	110	3500	★	▲			◆
MYG14-681A	1120	50	350				136	225	6000	★	▲			◆
MYG20-681A	1120	100	550				273	430	10000	★				◆
MYG07-751A	675	750	825				1240	10	120	460	615			32
MYG10-751A				1240	25	150	70	115	3500			★	▲	◆
MYG14-751A				1240	50	330	150	230	6000			★	▲	◆
MYG20-751A				1240	100	530	300	450	10000			★		◆
MYG07-781A				702	780	858	1290	10	110			485	640	32
MYG10-781A	1290	25	150				75	120	3500	★	▲			◆
MYG14-781A	1290	50	330				160	235	6000	★	▲			◆
MYG20-781A	1290	100	530				315	460	10000	★				◆
MYG07-821A	738	820	900				1355	10	110	510	670			32
MYG10-821A				1355	25	150	80	125	3500			★	▲	◆
MYG14-821A				1355	50	330	165	240	6000			★	▲	◆
MYG20-821A				1355	100	530	325	470	10000			★		◆
MYG10-911A				819	910	1000	1500	25	140			550	745	90
MYG14-911A	1500	50	300				180	255	6000	★	▲			◆
MYG20-911A	1500	100	480				360	510	10000	★				◆
MYG10-102A	900	1000	1100	1650	25	140	625	825	100	145	3500	★	▲	◆
MYG14-102A				1650	50	300			200	290	6000	★	▲	◆
MYG20-102A				1650	100	480			400	565	10000	★		◆
MYG10-112A	990	1100	1210	1815	25	130	680	895	110	155	3500	★	▲	◆
MYG14-112A				1815	50	200			220	310	6000	★	▲	◆
MYG20-112A				1815	100	400			440	620	10000	★		◆
MYG10-182A	1620	1800	1980	2970	25	70	1000	1465	183	247	3500	★	▲	◆
MYG14-182A				2970	50	150			360	510	6000	★	▲	◆
MYG20-182A				2970	100	250			720	860	1000	★		◆

MYG GENERAL SERIES

Transient V-I Characteristics Curves

瞬时伏安特性曲线

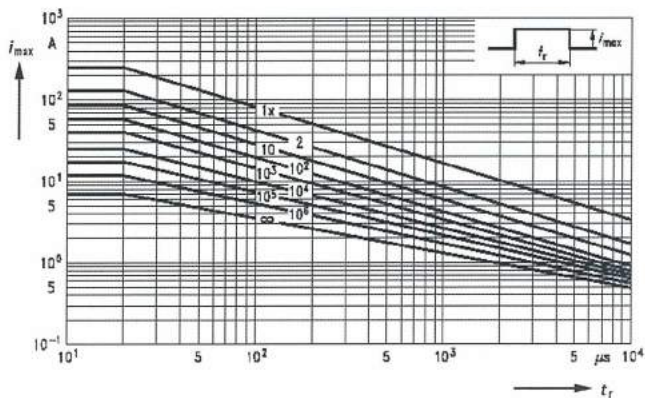
MYG05-180A ~ MYG05-471A



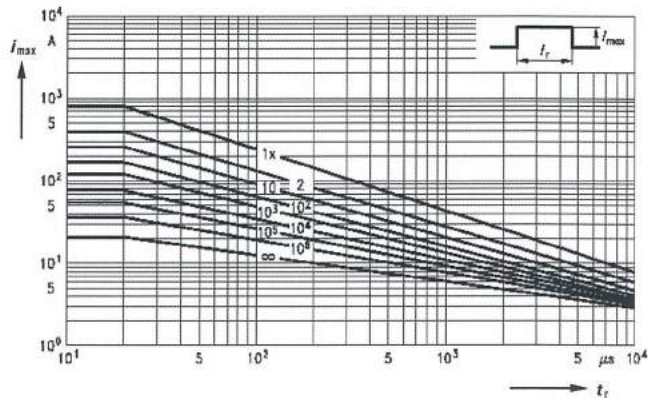
Pulse Rating Curves

脉冲寿命额定值曲线

MYG05-180A ~ MYG05-680A



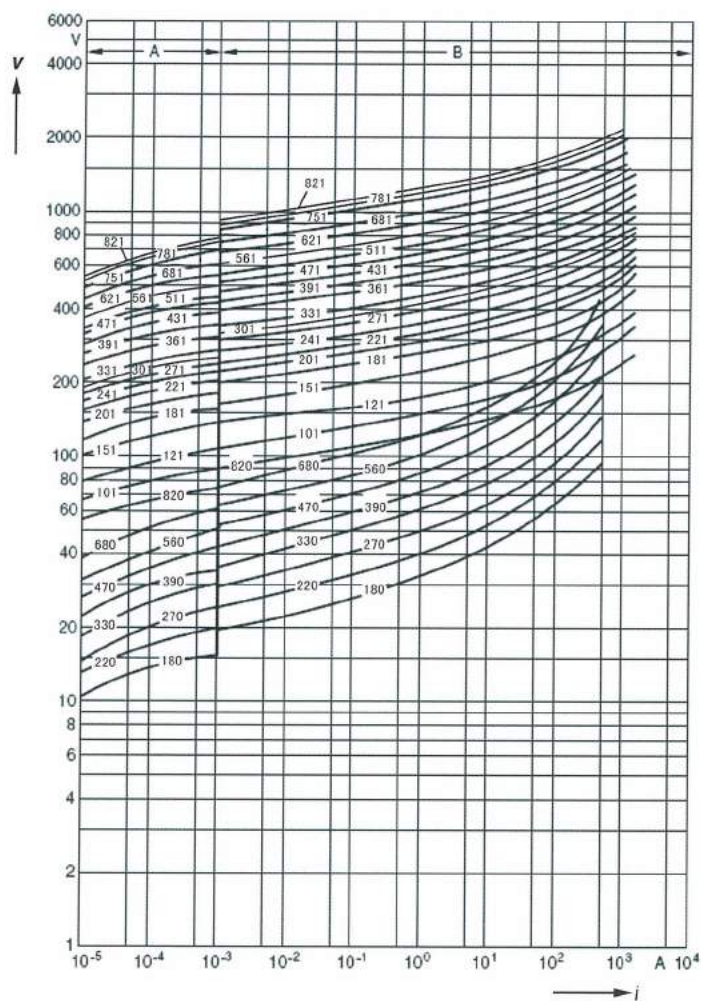
MYG05-820A ~ MYG05-471A



Transient V-I Characteristics Curves

瞬时伏安特性曲线

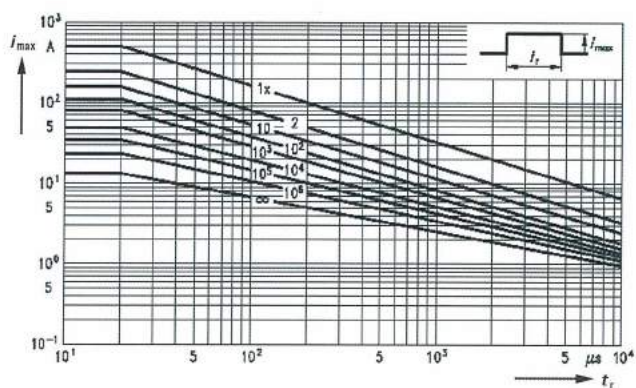
MYG07-180A ~ MYG07-821A



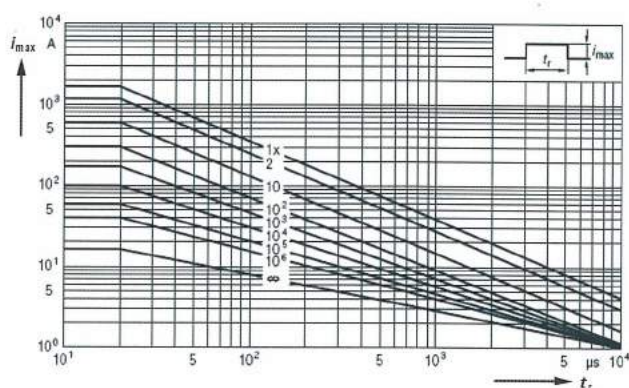
Pulse Rating Curves

脉冲寿命额定值曲线

MYG07-180A ~ MYG07-680A



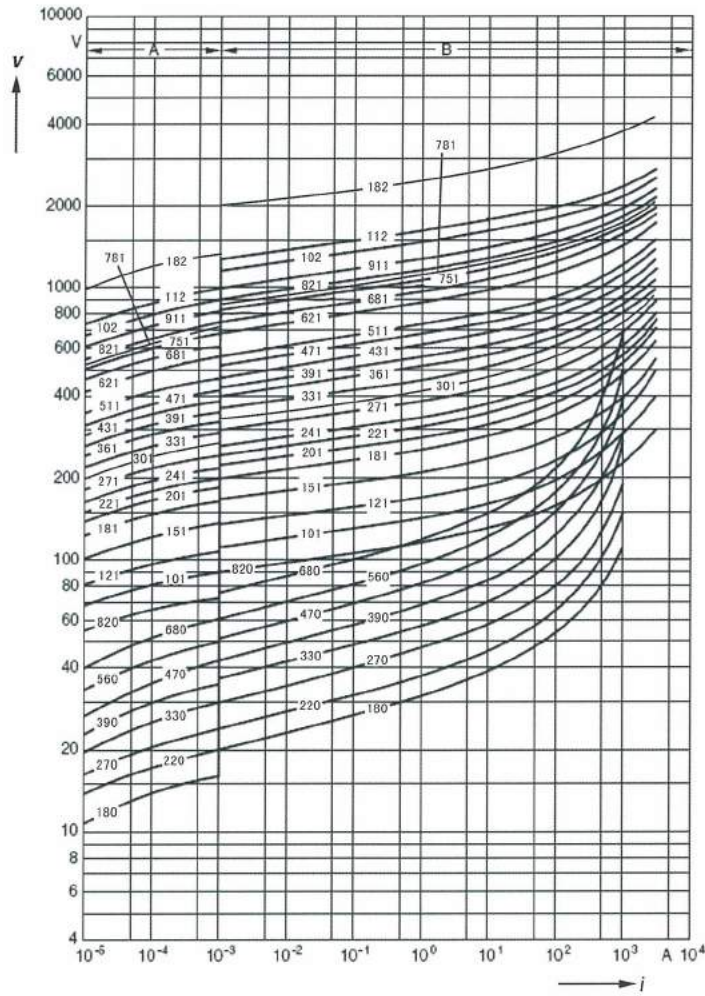
MYG07-820A ~ MYG07-821A



Transient V-I Characteristics Curves

瞬时伏安特性曲线

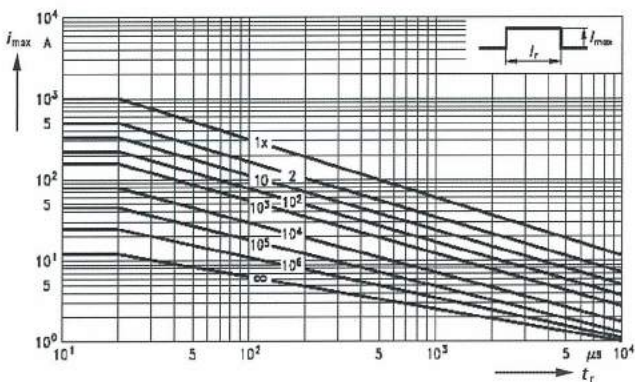
MYG10-180A ~ MYG10-182A



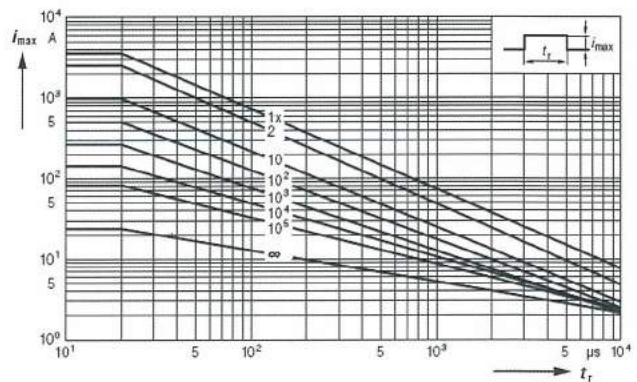
Pulse Rating Curves

脉冲寿命额定值曲线

MYG10-180A ~ MYG10-680A



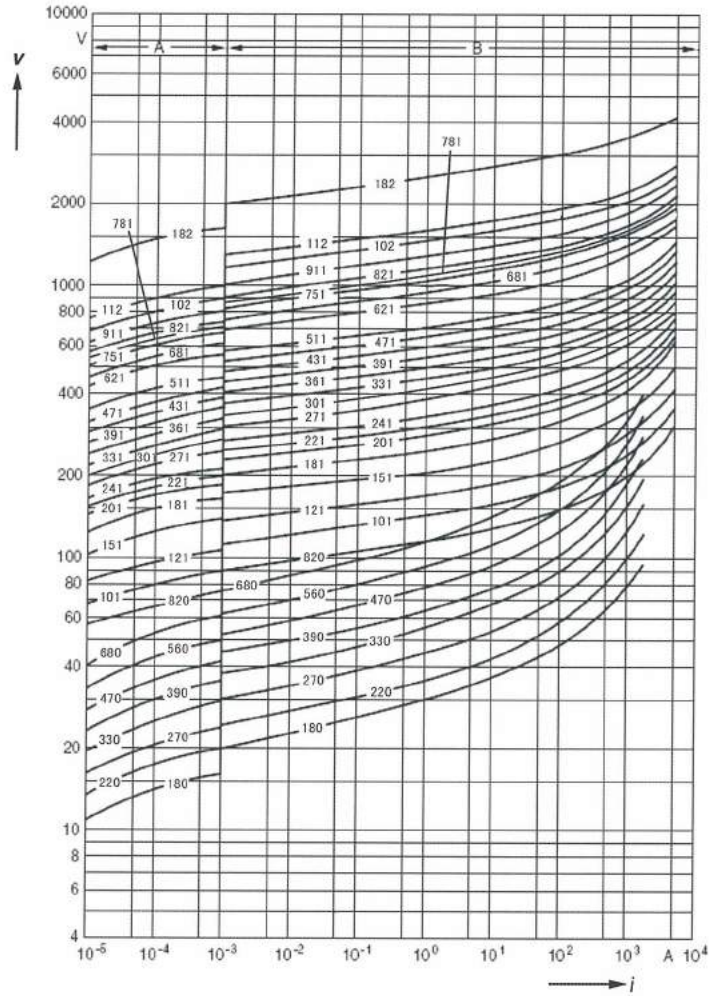
MYG10-820A ~ MYG10-182A



Transient V-I Characteristics Curves

瞬时伏安特性曲线

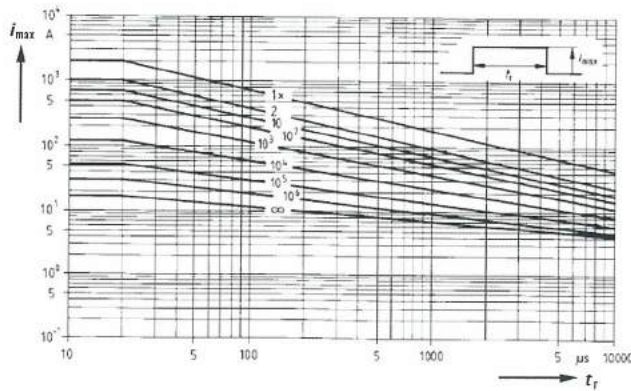
MYG14-180A ~ MYG14-182A



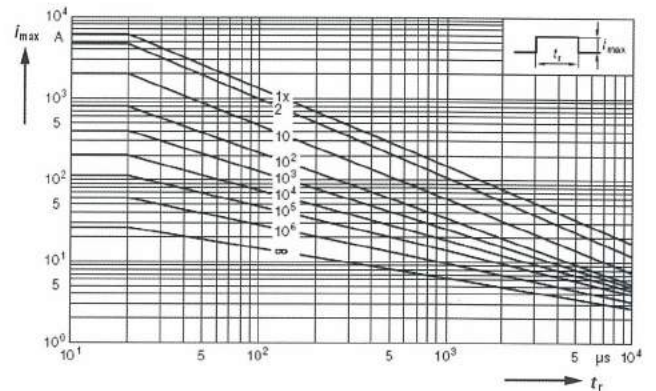
Pulse Rating Curves

脉冲寿命额定值曲线

MYG14-180A ~ MYG14-680A



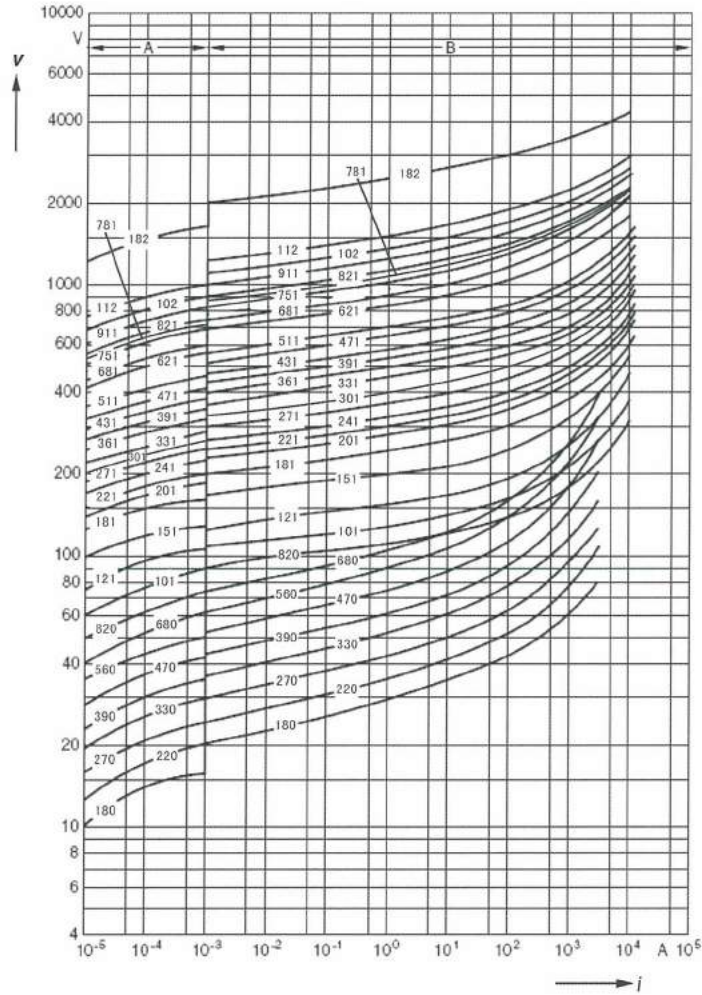
MYG14-820A ~ MYG14-182A



Transient V-I Characteristics Curves

瞬时伏安特性曲线

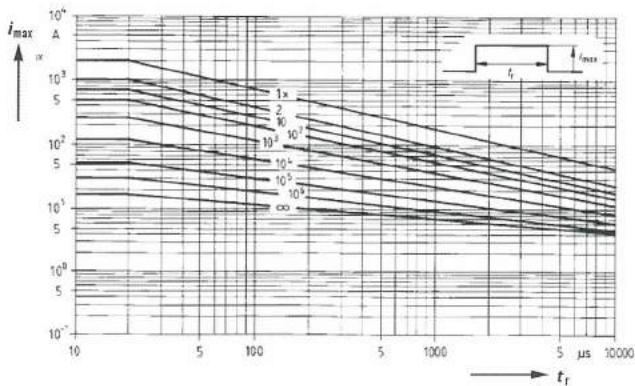
MYG20-180A ~ MYG20-182A



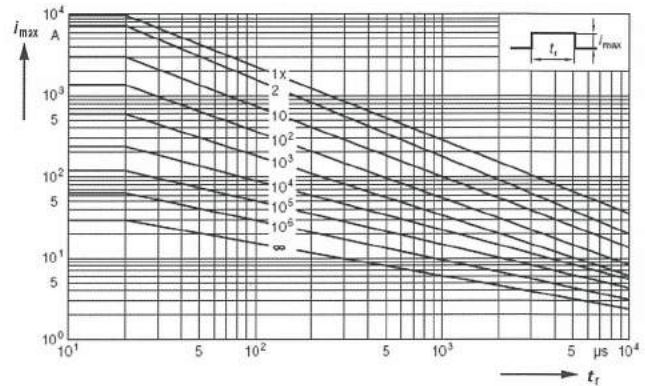
Pulse Rating Curves

脉冲寿命额定值曲线

MYG20-180A ~ MYG20-680A



MYG20-820A ~ MYG20-182A



MYL PROTECTION FROM LIGHTNING SERIES

MYL防雷型系列



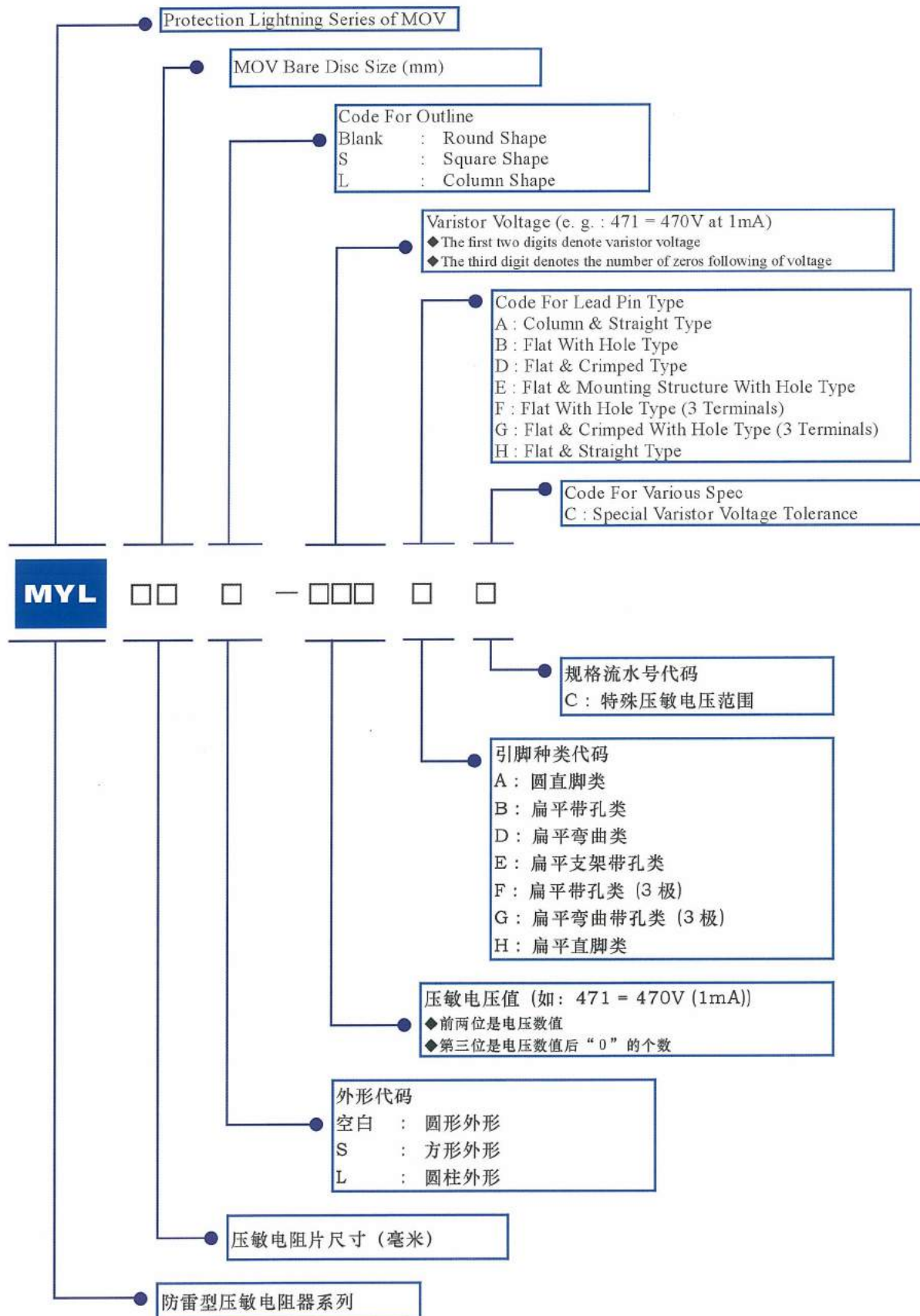
FEATURES

特点说明

Steady State AC Voltage Range ($V_{M(AC)RMS}$)	稳压交流电压定值	130 V ~ 1600 V
High Peak Surge Current Rating (I_{TM}) 8/20 μ s Pulse	高峰值冲击电流值	6500 A ~ 70000 A
Single-Pulse Energy Range (W_{TM}) 2ms Square Wave	单次脉冲能量	45 J ~ 3200 J
Average Power dissipation of transients	瞬间平均功率	< 0.60 W ~ < 2.50 W
Operating Temperature Range	工作温度	-55°C ~ +85°C
Storage Temperature Range	贮存温度	-55°C ~ +125°C
Hi-Pot Encapsulation (Isolation Voltage Capability)	绝缘耐压容量	2500 V _{DC}
Insulation Resistance	绝缘电阻	1000 M Ω
Maximum Voltage-Temperature Coefficient	最大电压温度系数	< 0.01% / °C
Response time	响应时间	< 25ns

KVR ITEM NUMBERING SYSTEM

KVR 产品型号编码规则



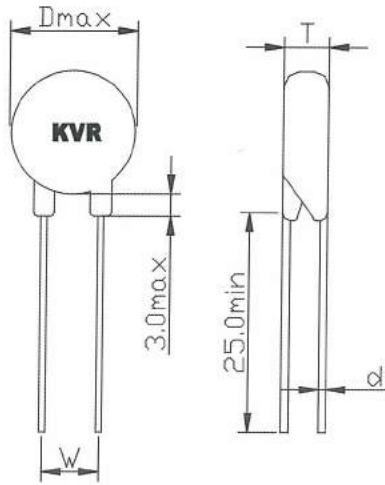
MYL 防雷型系列

METAL OXIDE VARISTOR

压敏电阻器

DIMENSIONS

外型尺寸
MYL14 & MYL20
Pin A Type



Item No. 型号	D max. (mm)		d ± 0.02 (mm)		W ± 1.00 (mm)		T max. (mm)	
	MYL14	MYL20	MYL14	MYL20	MYL14	MYL20	MYL14	MYL20
-201A							5.20	5.60
-221A							5.20	5.60
-241A							5.30	5.70
-271A							5.40	5.80
-361A	17.00	23.00	0.80	1.00	7.50	10.00	5.50	5.90
-391A							5.60	6.00
-431A							5.80	6.20
-471A							6.00	6.40
-511A							6.20	6.60

ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格							MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证		
	Varistor Voltage 压敏电压 (1mA DC)			@Ip Clamping Voltage 在Ip下限制电压 (8/20µs)		Duty Cycle Surge Rating 负载循环 浪涌额定值 (8/20µs)		Continuous Voltage 连续电压 V _{RMS}	Energy 能量 (2ms)	Peak Current 峰值电流 (8/20µs)				
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)	3KA # Pulses	750A # Pulses	V _{M(AC)} (V)	W _{TM} (J)	I _{TM1} 1 Pulse (A)	I _{TM2} 2 Pulses (A)	CE	VDE	UL
MYL14-201A			224	340	50	10	80		45	6500	5000			
MYL20-201A	184	200	224	340	100	20	120	130	90	12000	7000			
MYL20-201AC			220	325	100	20	120		90	12000	7000			
MYL14-221A			242	360	50	10	80		50	6500	5000			
MYL20-221A	198	220	242	360	100	20	120	140	100	12000	7000			
MYL20-221AC			228	340	100	20	120		100	12000	7000			
MYL14-241A			264	395	50	10	80		55	6500	5000			
MYL20-241A	216	240	264	395	100	20	120	150	110	12000	7000			
MYL20-241AC			243	360	100	20	120		110	12000	7000			
MYL14-271A			300	455	50	10	80		60	6500	5000			
MYL20-271A	247	270	300	455	100	20	120	175	120	12000	7000			
MYL20-271AC			285	425	100	20	120		120	12000	7000			
MYL14-361A			396	595	50	10	80		80	6500	5000			
MYL20-361A	324	360	396	595	100	20	120	230	160	12000	7000			
MYL20-361AC			380	570	100	20	120		160	12000	7000			
MYL14-391A			429	650	50	10	80		100	6500	5000			
MYL20-391A	354	390	429	650	100	20	120	250	170	12000	7000			
MYL20-391AC			413	620	100	20	120		170	12000	7000			
MYL14-431A			473	710	50	10	80		110	6500	5000			
MYL20-431A	389	430	473	710	100	20	120	275	190	12000	7000			
MYL20-431AC			453	680	100	20	120		190	12000	7000			
MYL14-471A			517	775	50	10	80		120	6500	5000			
MYL20-471A	423	470	517	775	100	20	120	300	210	12000	7000			
MYL20-471C			495	745	100	20	120		210	12000	7000			
MYL14-511A			561	850	50	10	80		130	6500	5000			
MYL20-511A	462	510	561	850	100	20	120	320	220	12000	7000			
MYL20-511AC			545	820	100	20	120		220	12000	7000			

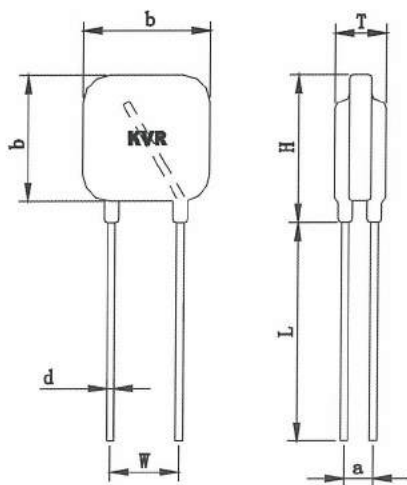
MYL PROTECTION FROM LIGHTNING SERIES

DIMENSIONS

外型尺寸

MYL14S

Pin A Type



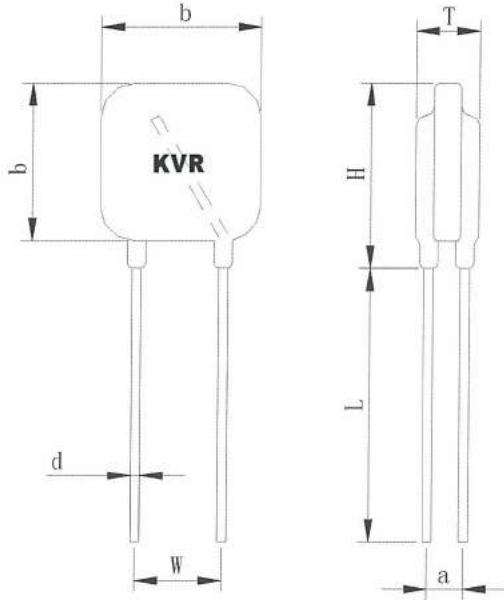
Item No. 型号	T max. (mm)	a ± 1.00 (mm)	b max. (mm)	H max. (mm)
-201A	6.30	2.90	17.50	20.50
-221A	6.30	2.90		
-241A	6.50	3.10		
-271A	6.80	3.40		
-331A	7.10	3.70		
-361A	7.20	3.80		
-391A	7.40	4.00		
-431A	7.70	4.30		
-471A	7.90	4.50		
-511A	8.20	4.80		

ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值					CERTIFICATION 安规认证			
	Varistor Voltage 压敏电压 (1mA DC)			@I _p Clamping Voltage 在I _p 下限制电压 (8/20μs)		Duty Cycle Surge Rating 负载循环 浪涌额定值 (8/20μs)		Continuous Voltage 连续电压 V _{RMS}	Energy 能量 (2ms) W _{TM}	Peak Current 峰值电流 (8/20μs)				
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)	3KA # Pulses	750A # Pulses	V _{M(AC)} (V)		I _{TM1} 1 Pulse (A)	I _{TM2} 2 Pulses (A)	CE	VDE	UL
MYL14S-201A	184	200	224	340	65	10	80	130	75	8000	5000			
MYL14S-221A	198	220	242	360				140	80					
MYL14S-241A	216	240	264	395				150	85					
MYL14S-271A	247	270	297	455				175	100					
MYL14S-301A	270	300	330	550				210	115					
MYL14S-361A	324	360	396	595				230	130					
MYL14S-391A	354	390	429	650				250	140					
MYL14S-431A	389	430	473	710				275	150					
MYL14S-471A	423	470	517	775				300	175					
MYL14S-511A	462	510	561	840				320	185					

DIMENSIONS

外型尺寸
MYL20S
Pin A Type



Item No. 型号	T max. (mm)	a ± 1.00 (mm)	b max. (mm)	H max. (mm)
-201A	6.30	2.90	23.50	26.50
-221A	6.30	2.90		
-241A	6.50	3.10		
-271A	6.80	3.40		
-331A	7.10	3.70		
-361A	7.20	3.80		
-391A	7.40	4.00		
-431A	7.70	4.30		
-471A	7.90	4.50		
-511A	8.20	4.80		

ELECTRICAL CHARACTERISTICS 电性能参数

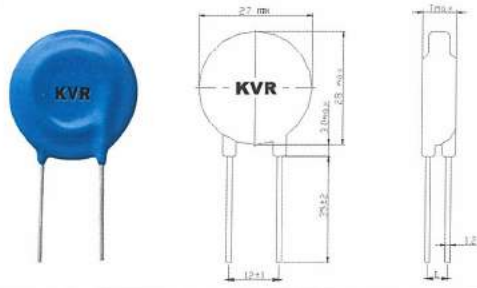
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格						MAXIMUM RATING (85°C) 最大额定值					CERTIFICATION 安规认证			
	Varistor Voltage 压敏电压 (1mA DC)			@ Ip Clamping Voltage 在 Ip 下限制电压 (8/20µs)			Duty Cycle Surge Rating 负载循环 浪涌额定值 (8/20µs)		Continuous Voltage 连续电压 V _{RMS}	Energy 能量 (2ms)	Peak Current 峰值电流 (8/20µs)		CE	VDE	UL
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)	3KA # Pulses	750A # Pulses	V _{M(AC)} (V)	W _{TM} (J)	I _{TM1} 1 Pulse (A)	I _{TM2} 2 Pulses (A)				
MYL20S-201A	184	200	224	340	130	20	120	130	100	15000	10000				
MYL20S-221A	198	220	242	360					110						
MYL20S-241A	216	240	264	395					120						
MYL20S-271A	247	270	297	455					135						
MYL20S-301A	270	300	330	550					165						
MYL20S-361A	324	360	396	595					180						
MYL20S-391A	354	390	429	650					195						
MYL20S-431A	389	430	473	710					215						
MYL20S-471A	423	470	517	775					235						
MYL20S-511A	462	510	561	840					255						

DIMENSIONS

外型尺寸

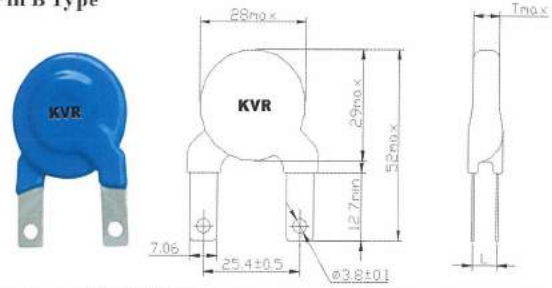
MYL25

Pin A Type



MYL25

Pin B Type



Item No. 型号	T max. (mm)		L ± 1.00 (mm)	
	A Type	B Type	A Type	B Type
-201	8.20	6.80	3.70	4.90
-221	8.20	6.80	3.70	4.90
-241	8.40	7.00	3.90	5.10
-271	8.50	7.10	4.20	5.20
-331	8.70	7.30	4.30	5.40
-361	8.90	7.50	4.50	5.60
-391	9.10	7.70	4.70	5.80
-431	9.30	7.90	5.00	6.00
-471	9.50	8.10	5.20	6.20
-511	9.80	8.40	5.50	6.50
-561	10.10	8.70	5.80	6.80
-621	10.40	9.00	6.20	7.10

Item No. 型号	T max. (mm)		L ± 1.00 (mm)	
	A Type	B Type	A Type	B Type
-681	10.80	9.40	6.60	7.50
-751	11.20	9.80	6.80	7.90
-781	11.40	9.80	7.00	8.00
-821	11.60	10.20	7.60	8.30
-911	12.10	10.70	7.80	8.80
-951	12.40	10.80	8.10	8.90
-102	12.60	11.20	8.70	9.30
-112	13.10	11.70	9.30	9.80
-122	14.20	12.80	10.40	10.90
-142	15.20	13.80	11.60	11.90
-162	16.30	14.90	12.80	13.00

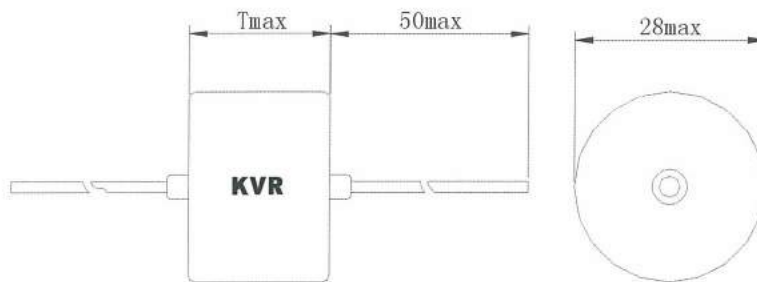
ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证			
	Varistor Voltage (1mA DC) 压敏电压			@I _p Clamping Voltage 在I _p 下限制电压 (8/20μs)		Typical Capacitance 典型电容量 F = 1KHz (pF)	Continuous Voltage 连续电压		Energy 能量 (10/1000μs) W _{TM} (J)	Peak Current 峰值电流 (8/20μs) I _{TM} (KA)	CE	VDE	UL
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)		V _{RMS} V _{M(AC)} (V)	V _{DC} V _{M(DC)} (V)					
MYL25-201□	184	200	224	340	150	3700	130	175	170	15	★		◆
MYL25-221□	198	220	242	360		3400	140	180	180		★		◆
MYL25-241□	216	240	259	395		3100	150	200	190		★		◆
MYL25-271□	255	270	300	455		2600	180	230	200		★		◆
MYL25-331□	297	330	363	545		2200	210	270	250		★		◆
MYL25-361□	326	360	396	595		2100	230	300	280		★		◆
MYL25-391□	354	390	432	650		1900	250	330	310		★		◆
MYL25-431□	389	430	466	710		1800	275	360	340		★		◆
MYL25-471□	425	470	517	790		1600	300	390	360		★		◆
MYL25-511□	462	510	558	850		1500	320	420	430		★		◆
MYL25-561□	522	560	625	950		1300	360	470	440		★		◆
MYL25-621□	558	620	682	1025		1200	390	505	460		★		◆
MYL25-681□	612	680	748	1120		1100	420	560	480		★		◆
MYL25-751□	675	750	825	1240		1000	460	615	500		★		◆
MYL25-781□	702	780	858	1300		990	480	640	510		★		◆
MYL25-821□	738	820	900	1350		930	510	675	525		★		◆
MYL25-911□	819	910	933	1400		860	550	700	540		★		◆
MYL25-951□	855	950	1000	1500		820	580	735	560		★		◆
MYL25-102□	900	1000	1100	1650		760	620	800	600		★		◆
MYL25-112□	990	1100	1200	1800		690	680	860	655		★		◆
MYL25-122□	1080	1200	1320	2000		620	750	970	700		★		◆
MYL25-142□	1260	1400	1540	2350		540	880	1150	780		★		◆
MYL25-162□	1440	1600	1760	2700		470	1000	1200	875		★		◆

MYL 防雷型系列

DIMENSIONS

外型尺寸
MYL25L
Pin A Type



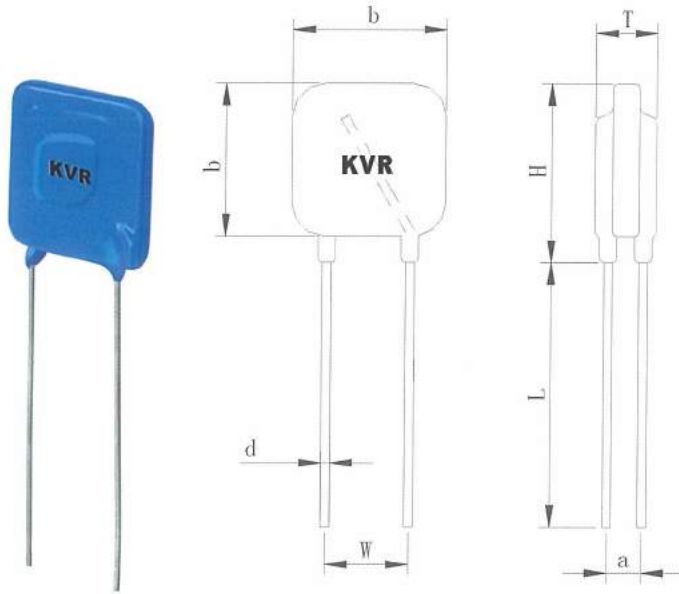
Item No. 型号	T max. (mm)
-182A	12.00
-222A	14.00
-272A	17.00
-332A	21.00
-392A	25.00
-472A	30.00

ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证			
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在 Ip 下限制电压 (8/20μs)		Typical Capacitance 典型电容量 F=1KHz (pF)	Continuous Voltage 连续电压		Energy 能量 (10/1000μs) W _{TM} (J)	Peak Current 峰值电流 (8/20μs) I _{TM} (KA)	CE	VDE	UL
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)		V _{RMS}	V _{DC}					
MYL25L-182A	1620	1800	2060	2940	150	400	1100	1400	900	15	CE	VDE	UL
MYL25L-222A	2020	2200	2550	3600		360	1400	1750	910				
MYL25L-272A	2500	2700	3030	4300		330	1700	2150	920				
MYL25L-332A	2970	3300	3630	5200		310	2000	2500	930				
MYL25L-392A	3510	3900	4290	6200		290	2400	3000	940				
MYL25L-472A	4230	4700	5170	7400		250	2800	3500	950				

DIMENSIONS

外型尺寸
MYL25S
Pin A Type



Item No. 型号	T max (mm)	a ±1.00 (mm)	b max. (mm)	H max. (mm)
-201A	6.30	2.90	28.50	31.50
-221A	6.30	2.90		
-241A	6.50	3.10		
-271A	6.80	3.40		
-331A	7.10	3.70		
-361A	7.20	3.80		
-391A	7.40	4.00		
-431A	7.70	4.30		
-471A	7.90	4.50		
-511A	8.20	4.80		
-561A	8.50	5.10		
-621A	8.90	5.50		
-681A	9.30	5.90		
-751A	9.50	6.10		
-781A	9.70	6.30		
-821A	10.30	6.90		
-911A	10.50	7.10		
-951A	10.80	7.40		
-102A	11.40	8.00		
-112A	12.00	8.60		
-122A	13.10	9.70		
-142A	14.30	10.90		
-162A	15.50	12.10		

ELECTRICAL CHARACTERISTICS 电性能参数

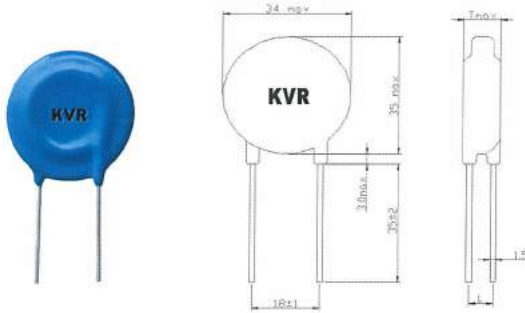
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证			
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip下限制电压 (8/20μs)		Typical Capacitance 典型电容量 F=1KHz (pF)	Continuous Voltage 连续电压		Energy 能量 (10/1000μs) W _{TM} (J)	Peak Current 峰值电流 (8/20μs) I _{TM} (KA)	CE	VDE	UL
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)		V _{RMS}	V _{M(DC)} (V)					
MYL25S-201A	184	200	224	340	100	4300	130	175	180	20	CE	VDE	UL
MYL25S-221A	198	220	242	360		4100	140	180	190				
MYL25S-241A	216	240	259	395		3700	150	200	200				
MYL25S-271A	255	270	300	455		3200	180	230	250				
MYL25S-331A	297	330	363	545		2700	210	270	270				
MYL25S-361A	326	360	396	595		2500	230	300	290				
MYL25S-391A	354	390	432	650		2300	250	330	330				
MYL25S-431A	389	430	466	710		2100	275	360	340				
MYL25S-471A	425	470	517	790		1900	300	390	350				
MYL25S-511A	460	510	558	850		1800	320	420	360				
MYL25S-561A	522	560	625	950		1500	360	470	370				
MYL25S-621A	558	620	674	1025		1500	390	505	380				
MYL25S-681A	612	680	736	1120		1400	420	560	390				
MYL25S-751A	675	750	815	1240		1200	460	615	430				
MYL25S-781A	702	780	858	1300		1200	480	640	440				
MYL25S-821A	738	820	888	1350		1100	510	675	450				
MYL25S-911A	819	910	933	1400		1000	550	700	480				
MYL25S-951A	855	950	1000	1500		990	580	735	520				
MYL25S-102A	900	1000	1100	1650		920	620	800	550				
MYL25S-112A	990	1100	1200	1800		840	680	860	620				
MYL25S-122A	1080	1200	1320	2000	750	750	970	670					
MYL25S-142A	1260	1400	1520	2290	650	880	1150	780					
MYL25S-162A	1440	1600	1760	2700	570	1000	1200	860					

DIMENSIONS

外型尺寸

MYL32

Pin A Type



MYL32

Pin B Type



Item No. 型号	T max. (mm)		L ± 1.00 (mm)	
	A Type	B Type	A Type	B Type
-201	8.80	6.80	4.90	4.90
-221	8.80	6.80	4.90	4.90
-241	9.00	7.00	5.10	5.10
-271	9.10	7.10	5.20	5.20
-331	9.30	7.30	5.40	5.40
-361	9.50	7.50	5.60	5.60
-391	9.70	7.70	5.80	5.80
-431	9.90	7.90	6.00	6.00
-471	10.10	8.10	6.20	6.20
-511	10.40	8.40	6.50	6.50
-561	10.70	8.70	6.80	6.80
-621	11.00	9.00	7.10	7.10

Item No. 型号	T max. (mm)		L ± 1.00 (mm)	
	A Type	B Type	A Type	B Type
-681	11.40	9.40	7.50	7.50
-751	11.80	9.80	7.90	7.90
-781	12.00	9.90	8.00	8.00
-821	12.20	10.20	8.30	8.30
-911	12.70	10.70	8.80	8.80
-951	12.90	10.80	9.00	8.90
-102	13.20	11.20	9.30	9.30
-112	13.70	11.70	9.80	9.80
-122	14.80	12.80	10.90	10.90
-142	15.80	13.80	11.90	11.90
-162	16.90	14.90	13.00	13.00

ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证			
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip下限制电压 (8/20μs)		Continuous Voltage 连续电压		Energy 能量 (10/1000μs)	Peak Current 峰值电流 (8/20μs)				
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)	F=1KHz pF	V _{M(AC)} (V)	V _{M(DC)} (V)	W _{TM} (J)	I _{TM} (KA)	CE	VDE	UL
MYL32-201□	184	200	224	340	200	4100	130	175	210	25	★		◆
MYL32-221□	198	220	242	360		3700	140	180	225		★		◆
MYL32-241□	216	240	259	395		3400	150	200	240		★		◆
MYL32-271□	255	270	300	455		2900	180	230	250		★		◆
MYL32-331□	297	330	363	550		2600	210	270	270		★		◆
MYL32-361□	326	360	396	595		2300	230	300	300		★		◆
MYL32-391□	354	390	429	650		2100	250	330	330		★		◆
MYL32-431□	389	430	466	710		2000	275	360	360		★		◆
MYL32-471□	425	470	517	790		1700	300	390	380		★		◆
MYL32-511□	462	510	558	850		1600	320	420	430		★		◆
MYL32-561□	522	560	625	950		1400	360	470	490		★		◆
MYL32-621□	558	620	674	1025		1300	390	505	550		★		◆
MYL32-681□	612	680	736	1120		1300	420	560	600		★		◆
MYL32-751□	675	750	815	1240		1100	460	615	520		★		◆
MYL32-781□	702	780	858	1300		1100	480	640	550		★		◆
MYL32-821□	738	820	900	1350		1000	510	675	580		★		◆
MYL32-911□	819	910	933	1400		950	550	700	620		★		◆
MYL32-951□	855	950	1000	1500		900	580	735	650		★		◆
MYL32-102□	900	1000	1080	1650		840	620	800	680		★		◆
MYL32-112□	990	1100	1180	1800		770	680	860	760		★		◆
MYL32-122□	1080	1200	1320	2000	690	750	970	800	★		◆		
MYL32-142□	1260	1400	1520	2290	590	880	1150	850	★		◆		
MYL32-162□	1440	1600	1760	2700	520	1000	1200	900	★		◆		

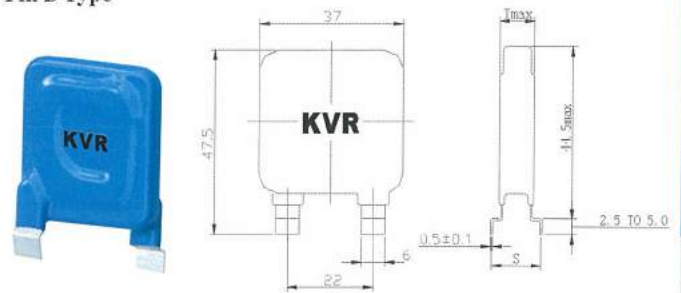
MYL PROTECTION FROM LIGHTNING SERIES

DIMENSIONS

外型尺寸
MYL34S
Pin B Type



MYL34S
Pin D Type

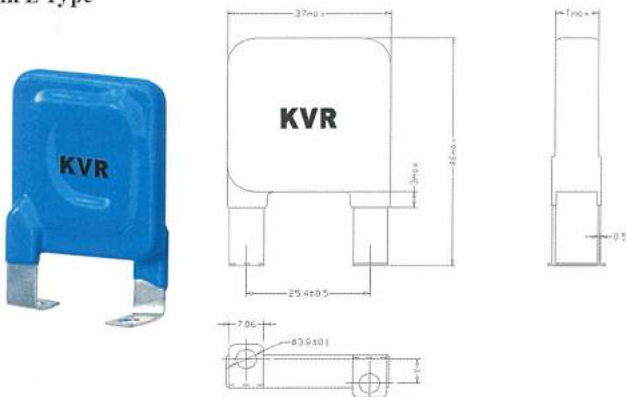


Item No. 型号	T max. (mm)		L ± 0.10 (mm)		S (mm)	
	B Type	D Type	B Type	D Type	B Type	D Type
-201	6.80		4.90		5.50 ± 0.65	
-221	6.80		5.00		5.70 ± 0.65	
-241	7.00		5.10		5.90 ± 0.65	
-271	7.10		5.20		6.15 ± 0.65	
-331	7.30		5.40		6.15 ± 0.65	
-361	7.50		5.60		6.25 ± 0.65	
-391	7.70		5.80		6.25 ± 0.65	
-431	7.90		6.00		6.50 ± 0.65	
-471	8.10		6.20		6.70 ± 0.65	
-511	8.40		6.50		6.90 ± 0.65	
-561	8.70		6.80		7.50 ± 0.85	
-621	9.00		7.10		7.65 ± 0.85	

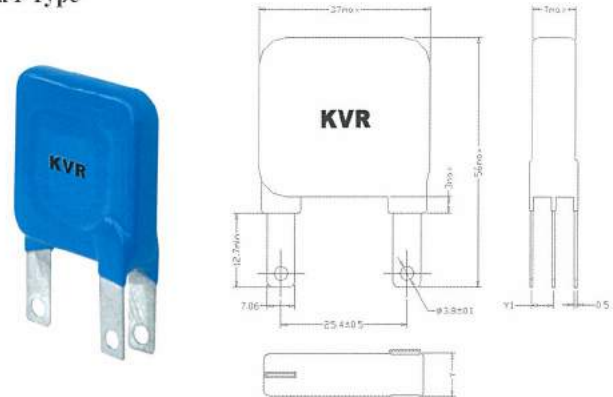
Item No. 型号	T max. (mm)		L ± 0.10 (mm)		S (mm)	
	B Type	D Type	B Type	D Type	B Type	D Type
-681	9.40		7.50		7.85 ± 0.85	
-751	9.80		7.90		8.15 ± 1.00	
-781	10.00		8.00		8.25 ± 1.00	
-821	10.20		8.30		8.60 ± 1.00	
-911	10.70		8.80		8.85 ± 1.50	
-951	11.00		9.00		8.85 ± 1.50	
-102	11.20		9.30		9.35 ± 1.50	
-112	11.70		9.80		9.65 ± 1.50	
-122	12.80		10.90		10.65 ± 1.50	
-142	13.80		11.90		12.55 ± 1.50	
-162	14.90		13.00		14.25 ± 1.50	

DIMENSIONS

外型尺寸
MYL34S
Pin E Type



MYL34S
Pin F Type



Item No. 型号	T max. (mm)		Y ± 1.00 (mm)		Y ± 0.50 (mm)	
	E Type	F Type	E Type	F Type	E Type	F Type
-201	6.80	8.30	5.20	5.20		
-221	6.80	8.40	5.20	5.60		
-241	7.00	8.70	5.10	6.20		
-271	7.10	9.10	4.80	6.60		
-331	7.30	10.00	4.600	7.40		
-361	7.50	10.40	4.500	7.80		
-391	7.70	10.80	4.30	8.20		
-431	7.90	11.40	4.20	8.72		
-471	8.10	12.10	3.90	9.40		
-511	8.40	13.00	3.80	9.80		
-561	8.70	13.40	3.50	10.40		
-621	9.00	14.40	3.50	11.20		

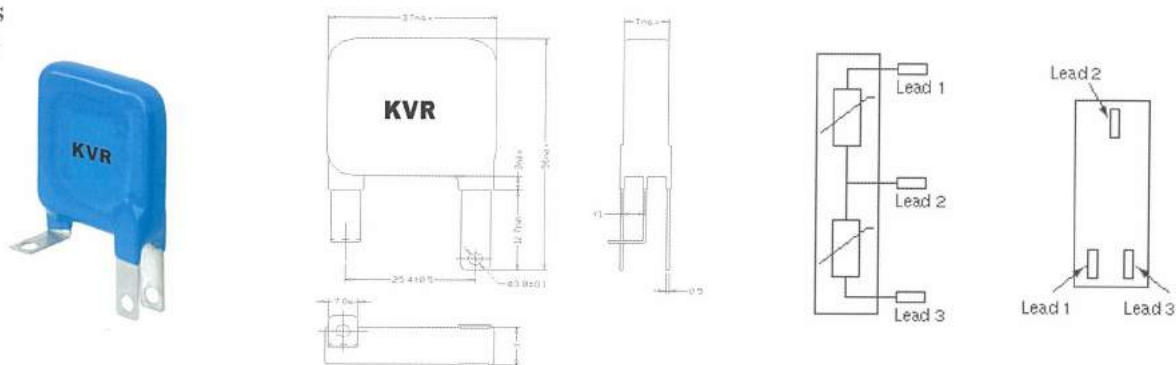
Item No. 型号	T max. (mm)		Y ± 1.00 (mm)		Y ± 0.50 (mm)	
	E Type	F Type	E Type	F Type	E Type	F Type
-681	9.40	15.30	3.30	12.10		
-751	9.80	16.30	2.80	13.00		
-781	10.00	16.70	2.70	13.40		
-821	10.20	17.30	2.50	14.00		
-911	10.70	18.60	2.30	15.20		
-951	11.00	19.20	2.00	15.70		
-102	11.20	19.90	1.70	16.40		
-112	11.70	21.30	1.30	17.80		
-122	12.80	22.50	0.60	19.00		
-142	13.80	25.50	-0.30	21.80		
-162	14.90	28.10	-1.20	24.40		

DIMENSIONS

外型尺寸

MYL34S

Pin G Type



Item No. 型号	T max. (mm)	Y ± 0.50 (mm)
-201G	8.30	5.20
-221G	8.40	5.60
-241G	8.70	6.20
-271G	9.10	6.60
-331G	10.00	7.40
-361G	10.40	7.80
-391G	10.80	8.20
-431G	11.40	8.72
-471G	12.10	9.40
-511G	13.00	9.80
-561G	13.40	10.40
-621G	14.40	11.20

Item No. 型号	T max. (mm)	Y ± 0.50 (mm)
-681G	15.30	12.10
-751G	16.30	13.00
-781G	16.70	13.40
-821G	17.30	14.00
-911G	18.60	15.20
-951G	19.20	15.70
-102G	19.90	16.40
-112G	21.30	17.80
-122G	22.50	19.00
-142G	25.50	21.80
-162G	28.10	24.40

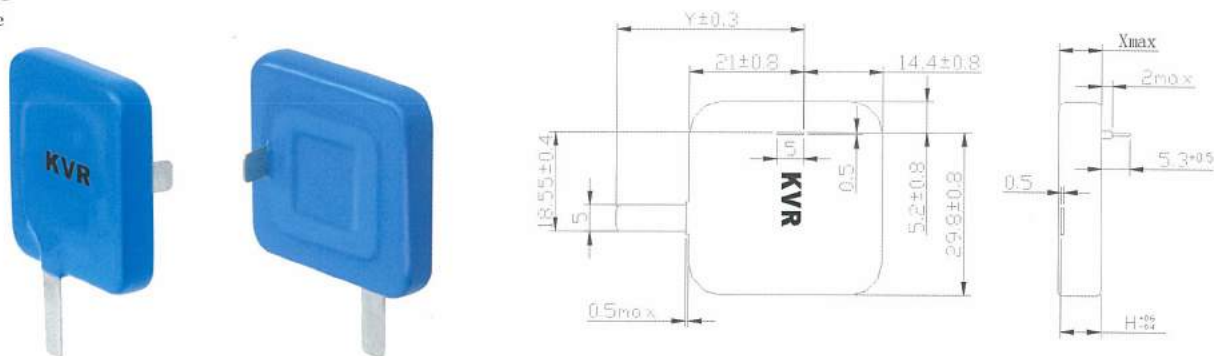
Y1 = Y / 2

DIMENSIONS

外型尺寸

MYL34S

Pin H Type



Item No. 型号	X max. (mm)	Y (mm)	H (mm)
-201H	5.80	32.00	3.80
-221H	5.80	32.00	4.00
-241H	5.90	32.00	4.00
-271H	6.30	32.00	4.50
-331H	6.50	32.00	4.90
-361H	6.70	32.00	5.10
-391H	6.90	32.00	5.20
-431H	7.10	33.20	5.20
-471H	7.40	33.20	5.70
-511H	7.60	33.20	5.70
-561H	8.00	33.20	6.30
-621H	8.20	35.00	6.30

Item No. 型号	T max. (mm)	Y (mm)	H (mm)
-681H	8.90	35.00	7.00
-751H	8.90	35.00	7.50
-781H	9.00	35.00	7.50
-821H	9.00	35.00	7.60
-911H	9.70	35.00	7.70
-951H	9.70	35.00	7.80
-102H	10.00	35.00	8.00
-112H	10.50	35.00	8.00
-122H	11.60	35.00	8.60
-142H	12.60	35.00	9.90
-162H	13.70	35.00	11.00

MYL PROTECTION FROM LIGHTNING SERIES

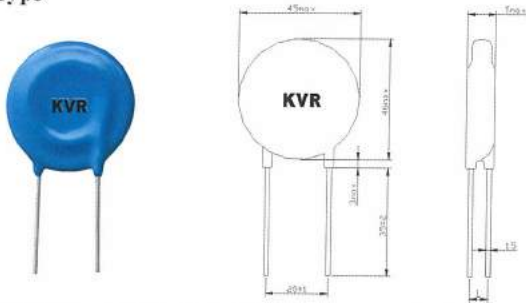
ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值					CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压			@I _p Clamping Voltage 在 I _p 下限制电压 (8/20 μs)		Typical Capacitance 典型电容量	Continuous Voltage 连续电压		Energy 能量 (10/1000 μs)	Peak Current 峰值电流 (8/20 μs)	CE	VDE	UL
	Min (V)	V _{NDC} (V)	Max (V)	V _c (V)	I _p (A)		V _{RMS}	V _{DC}					
MYL34S-201□	184	200	224	340	300	7900	130	175	310	40	★		◆
MYL34S-221□	198	220	242	360		7200	140	180	330		★		◆
MYL34S-241□	216	240	259	395		6600	150	200	360		★		◆
MYL34S-271□	255	270	300	455		5600	180	230	390		★		◆
MYL34S-331□	297	330	363	550		5000	210	270	430		★		◆
MYL34S-361□	326	360	396	595		4400	230	300	460		★		◆
MYL34S-391□	354	390	429	650		4100	250	330	490		★		◆
MYL34S-431□	389	430	466	710		3800	275	360	550		★		◆
MYL34S-471□	425	470	517	790		3400	300	390	600		★		◆
MYL34S-511□	462	510	558	850		3200	320	420	640		★		◆
MYL34S-561□	522	560	625	950		2900	360	470	710		★		◆
MYL34S-621□	558	620	674	1025		2600	390	505	800		★		◆
MYL34S-681□	612	680	736	1120		2400	420	560	910		★		◆
MYL34S-751□	675	750	815	1240		2200	460	615	920		★		◆
MYL34S-781□	702	780	858	1300		2100	480	640	930		★		◆
MYL34S-821□	738	820	888	1350		2000	510	675	940		★		◆
MYL34S-911□	819	910	933	1400		1800	550	700	960		★		◆
MYL34S-951□	855	950	988	1500		1700	580	735	1000		★		◆
MYL34S-102□	900	1000	1080	1650		1600	620	800	1040		★		◆
MYL34S-112□	990	1100	1180	1800		1500	680	860	1100		★		◆
MYL34S-122□	1080	1200	1320	2000	1300	750	970	1200	★		◆		
MYL34S-142□	1260	1400	1520	2290	1100	880	1150	1300	★		◆		
MYL34S-162□	1440	1600	1688	2550	1000	1000	1200	1400	★		◆		

MYL 防雷型系列

DIMENSIONS

外型尺寸
MYL40
Pin A Type



Item No. 型号	T max. (mm)		L ± 0.10 (mm)	
	A Type	B Type	A Type	B Type
-201	8.80	6.80	4.90	4.90
-221	8.80	6.80	4.90	4.90
-241	9.00	7.00	5.10	5.10
-271	9.10	7.10	5.20	5.20
-331	9.30	7.30	5.40	5.40
-361	9.50	7.50	5.60	5.60
-391	9.70	7.70	5.80	5.80
-431	9.90	7.90	6.00	6.00
-471	10.10	8.10	6.20	6.20
-511	10.40	8.40	6.50	6.50
--561	10.70	8.70	6.80	6.80
-621	11.00	9.00	7.10	7.10

MYL40
Pin B Type



Item No. 型号	T max. (mm)		L ± 0.10 (mm)	
	A Type	B Type	A Type	B Type
-681	11.40	9.40	7.50	7.50
-751	11.80	9.80	7.90	7.90
-781	12.00	9.90	8.00	8.00
-821	12.20	10.20	8.30	8.30
-911	12.70	10.70	8.80	8.80
-951	12.90	10.80	9.00	8.90
-102	13.20	11.20	9.30	9.30
-112	13.70	11.70	9.80	9.80
-122	14.80	12.80	10.90	10.90
-142	15.80	13.80	11.90	11.90
-162	16.90	14.90	13.00	13.00

DIMENSIONS

外型尺寸
MYL40
Pin E Type



Item No. 型号	T max. (mm)		Y ± 0.10 (mm)		Y ± 0.50 (mm)	
	E Type	F Type	E Type	F Type	E Type	F Type
-201	6.80	8.30	5.20	5.20		
-221	6.80	8.40	5.20	5.60		
-241	7.00	8.70	5.10	6.20		
-271	7.10	9.10	4.80	6.60		
-331	7.30	10.00	4.60	7.40		
-361	7.50	10.40	4.50	7.80		
-391	7.70	10.80	4.30	8.20		
-431	7.90	11.40	4.20	8.72		
-471	8.10	12.10	3.90	9.40		
-511	8.40	13.00	3.80	9.80		
-561	8.70	13.40	3.50	10.40		
-621	9.00	14.40	3.50	11.20		

MYL40
Pin F Type

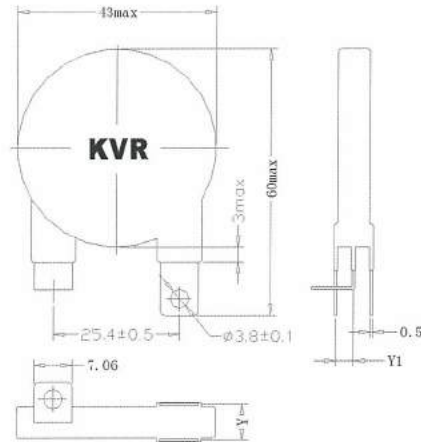


Item No. 型号	T max. (mm)		Y ± 0.10 (mm)		Y ± 0.50 (mm)	
	E Type	F Type	E Type	F Type	E Type	F Type
-681	9.40	15.30	3.30	12.10		
-751	9.80	16.30	2.80	13.00		
-781	10.00	16.70	2.70	13.40		
-821	10.20	17.30	2.50	14.00		
-911	10.70	18.60	2.30	15.20		
-951	11.00	19.20	2.00	15.70		
-102	11.20	19.90	1.70	16.40		
-112	11.70	21.30	1.30	17.80		
-122	12.80	22.50	0.60	19.00		
-142	13.80	25.50	-0.30	21.80		
-162	14.90	28.10	-1.20	24.40		

Y1=Y/2

DIMENSIONS

外型尺寸
MYL40
Pin G Type



Item No. 型号	T max. (mm)	Y ± 0.50 (mm)
- 2 0 1 G	8.30	5.20
- 2 2 1 G	8.40	5.60
- 2 4 1 G	8.70	6.20
- 2 7 1 G	9.10	6.60
- 3 3 1 G	10.00	7.40
- 3 6 1 G	10.40	7.80
- 3 9 1 G	10.80	8.20
- 4 3 1 G	11.40	8.72
- 4 7 1 G	12.10	9.40
- 5 1 1 G	13.00	9.80
- 5 6 1 G	13.40	10.40
- 6 2 1 G	14.40	11.20

Item No. 型号	T max. (mm)	Y ± 0.50 (mm)
- 6 8 1 G	15.30	12.10
- 7 5 1 G	16.30	13.00
- 7 8 1 G	16.70	13.40
- 8 2 1 G	17.30	14.00
- 9 1 1 G	18.60	15.20
- 9 5 1 G	19.20	15.70
- 1 0 2 G	19.90	16.40
- 1 1 2 G	21.30	17.80
- 1 2 2 G	22.50	19.00
- 1 4 2 G	25.50	21.80
- 1 6 2 G	28.10	24.40

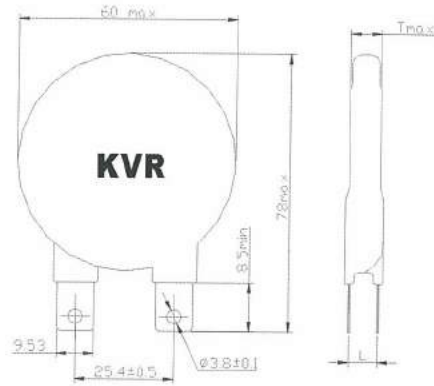
Y1 = Y / 2

ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格						MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压			@ Ip Clamping Voltage 在Ip下限制电压 (8/20µs)			Continuous Voltage 连续电压		Energy 能量 (10/1000µs) W _{TM} (J)	Peak Current 峰值电流 (8/20µs) I _{TM} (KA)	CE	VDE	UL
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	Ip (A)	F=1KHz (pF)	V _{M(AC)} (V)	V _{M(DC)} (V)					
MYL40-201□	184	200	224	340	300	8600	130	175	310	40	★		
MYL40-221□	198	220	242	360		7800	140	180	330		★		
MYL40-241□	216	240	259	395		7200	150	200	360		★		
MYL40-271□	255	270	300	455		6000	180	230	390		★		
MYL40-331□	297	330	363	550		5400	210	270	430		★		
MYL40-361□	326	360	396	595		4800	230	300	460		★		
MYL40-391□	354	390	429	650		4400	250	330	490		★		
MYL40-431□	389	430	466	710		4100	275	360	550		★		
MYL40-471□	425	470	517	790		3600	300	390	600		★		
MYL40-511□	462	510	558	850		3400	320	420	640		★		
MYL40-561□	522	560	625	950		3100	360	470	710		★		
MYL40-621□	558	620	674	1025		2800	390	505	800		★		
MYL40-681□	612	680	736	1120		2600	420	560	910		★		
MYL40-751□	675	750	815	1240		2400	460	615	920		★		
MYL40-781□	702	780	858	1300		2270	480	640	930		★		
MYL40-821□	738	820	888	1350		2160	510	675	940		★		
MYL40-911□	819	910	933	1400		1940	550	700	960		★		
MYL40-951□	855	950	988	1500		1800	580	735	1000		★		
MYL40-102□	900	1000	1080	1650		1730	620	800	1040		★		
MYL40-112□	990	1100	1180	1800		1620	680	860	1100		★		
MYL40-122□	1080	1200	1320	2000	1400	750	970	1200	★				
MYL40-142□	1260	1400	1520	2290	1200	880	1150	1300	★				
MYL40-162□	1440	1600	1760	2700	1080	1000	1200	1400	★				
MYL40-192□	1710	1900	1990	2850	1000	1200	1400	1500	★				
MYL40-222□	1980	2200	2230	3350	820	1400	1600	1600	★				
MYL40-252□	2270	2500	2530	3800	680	1600	1800	1800	★				

DIMENSIONS

外型尺寸
MYL53
Pin B Type



Item No. 型号	T max. (mm)	L ± 0.10 (mm)
-201B	6.80	4.90
-221B	6.80	4.90
-241B	7.00	5.10
-271B	7.10	5.20
-331B	7.30	5.40
-361B	7.50	5.60
-391B	7.70	5.80
-431B	7.90	6.00
-471B	8.10	6.20
-511B	8.40	6.50
-561B	8.70	6.80
-621B	9.00	7.10

Item No. 型号	T max. (mm)	L ± 0.10 (mm)
-681B	9.40	7.50
-751B	9.80	7.90
-781B	10.00	8.00
-821B	10.20	8.30
-911B	10.70	8.80
-951B	10.90	9.00
-102B	11.20	9.30
-112B	11.70	9.80
-122B	12.80	10.90
-142B	13.80	11.90
-162B	14.90	13.00

ELECTRICAL CHARACTERISTICS 电性能参数

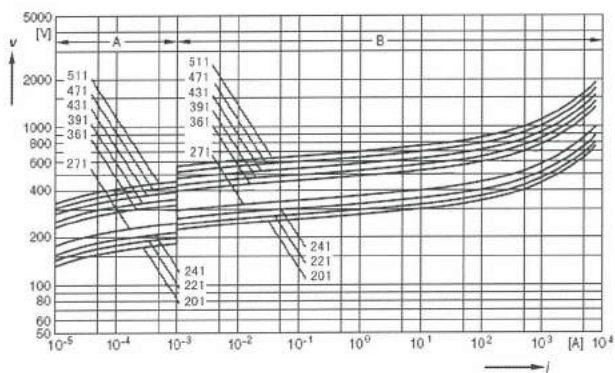
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证			
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip下限制电压 (8/20μs)		Typical Capacitance 典型电容量 F=1KHz (pF)	Continuous Voltage 连续电压		Energy 能量 (10/1000μs) W _{TM} (J)	Peak Current 峰值电流 (8/20μs) I _{TM} (KA)	CE	VDE	UL
	Min (V)	V _{N(DC)} (V)	Max (V)	V _C (V)	I _p (A)		V _{RMS}	V _{DC}					
MYL53-201B	184	200	224	340	500	14000	130	175	490	70	CE	VDE	UL
MYL53-241B	216	240	259	395		11000	150	200	570				
MYL53-271B	255	270	300	455		10000	180	230	630				
MYL53-331B	297	330	363	550		8500	210	270	670				
MYL53-361B	326	360	396	595		7700	230	300	730				
MYL53-391B	354	390	429	650		7100	250	330	880				
MYL53-431B	389	430	466	710		6600	275	360	950				
MYL53-471B	425	470	517	790		5900	300	390	1000				
MYL53-511B	462	510	558	850		5700	320	420	1100				
MYL53-561B	522	560	625	950		5000	360	470	1150				
MYL53-621B	558	620	674	1025		4600	390	505	1200				
MYL53-681B	612	680	736	1120		4400	420	560	1500				
MYL53-751B	675	750	815	1240		3900	460	615	1550				
MYL53-781B	702	780	858	1300		3800	480	640	1600				
MYL53-821B	738	820	888	1350		3500	510	675	1800				
MYL53-911B	819	910	933	1400		3300	550	700	2000				
MYL53-951B	855	950	988	1500		3100	580	735	2100				
MYL53-102B	900	1000	1080	1650		2900	620	800	2200				
MYL53-112B	990	1100	1180	1800		2700	680	860	2500				
MYL53-122B	1080	1200	1320	2000		2400	750	970	2600				
MYL53-142B	1260	1400	1520	2290	2100	880	1150	3200					
MYL53-162B	1440	1600	1760	2700	1800	1000	1200	3200					

MYL PROTECTION FROM LIGHTNING SERIES

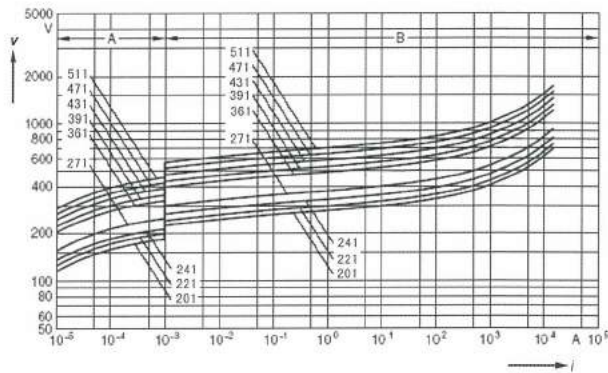
Transient V-I Characteristics Curves

瞬时伏安特性曲线

MYL14-201A ~ MYL14-511A
MYL14S-201A ~ MYL14S-511A



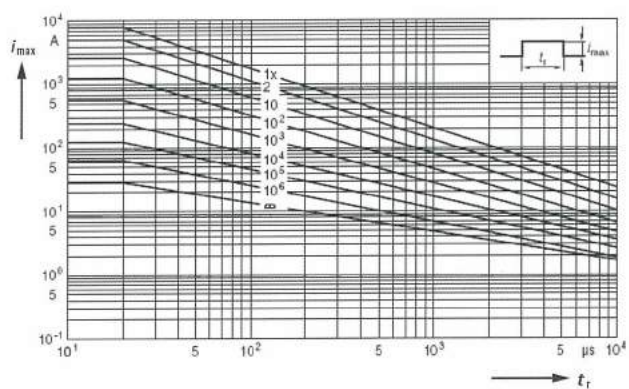
MYL20-201A ~ MYL20-511A
MYL20S-201A ~ MYL20S-511A



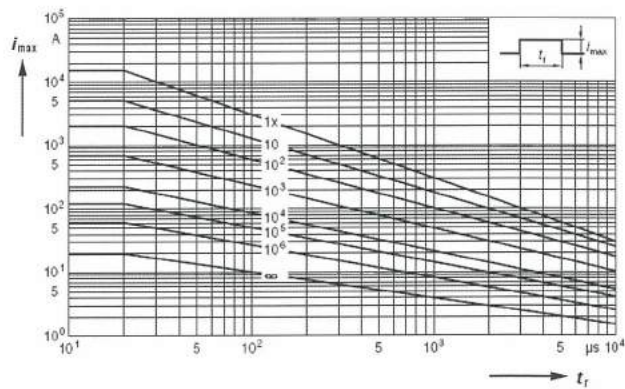
Pulse Rating Curves

脉冲寿命额定值曲线

MYL14-201A ~ MYL14-511A
MYL14S-201A ~ MYL14S-511A



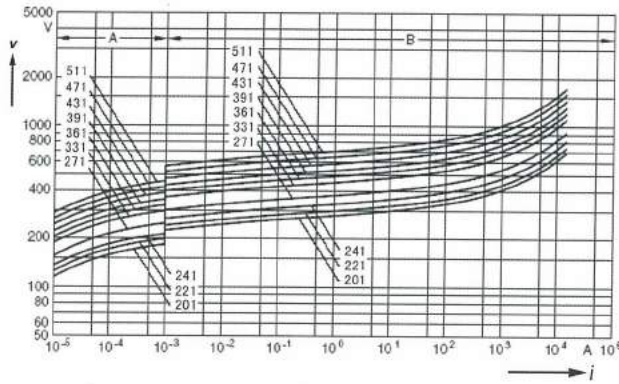
MYL20-201A ~ MYL20-511A
MYL20S-201A ~ MYL20S-511A



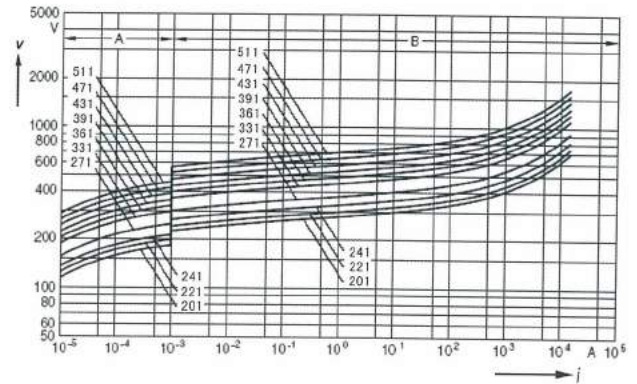
Transient V-I Characteristics Curves

瞬时伏安特性曲线

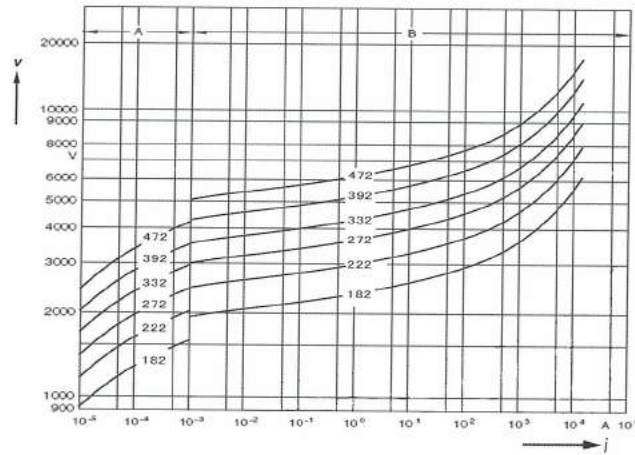
MYL25-201□ ~ MYL25-162□



MYL25S-201A ~ MYS25-162A



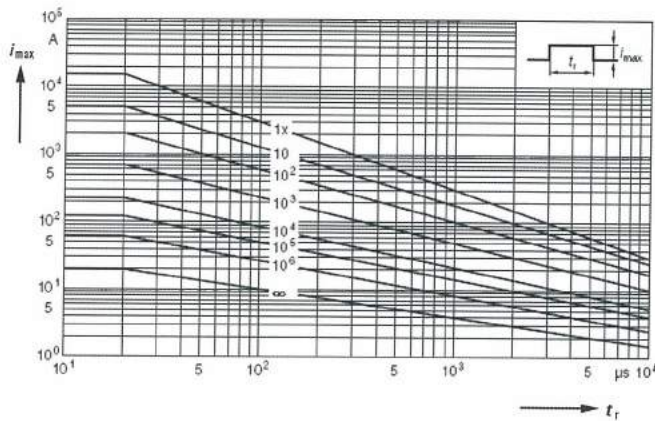
MYL25L-182A ~ MYL25L-472A



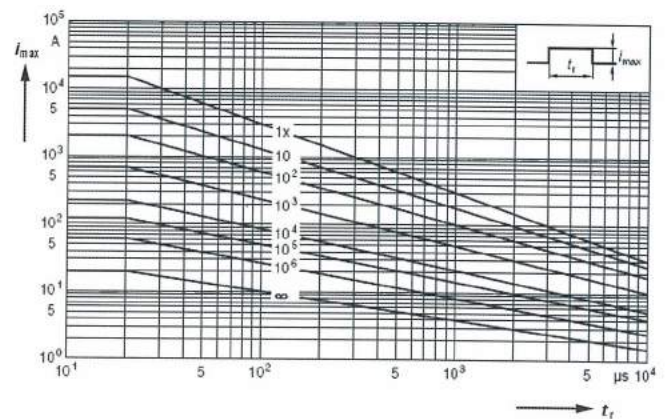
Pulse Rating Curves

脉冲寿命额定值曲线

MYL25-201□ ~ MYL25-162□
MYL25S-201A ~ MYL25S-162A



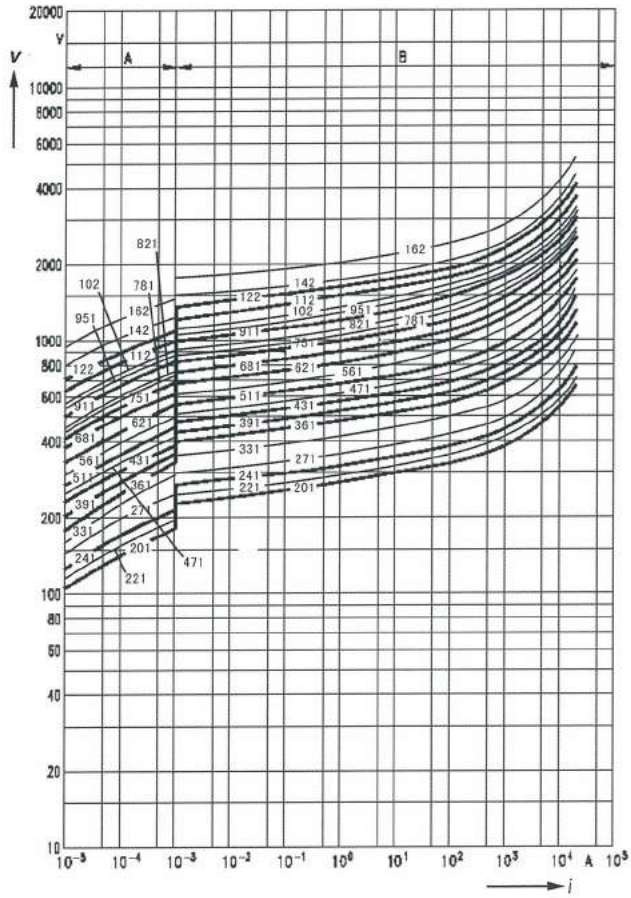
MYL25L-182A ~ MYL25L-472A



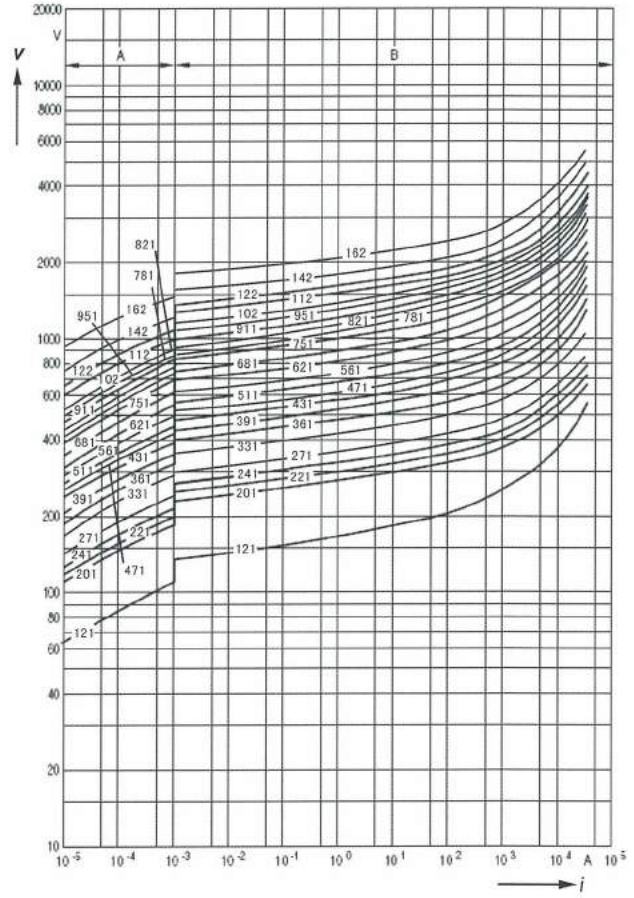
Transient V-I Characteristics Curves

瞬时伏安特性曲线

MYL32-201□ ~ MYL32-162□



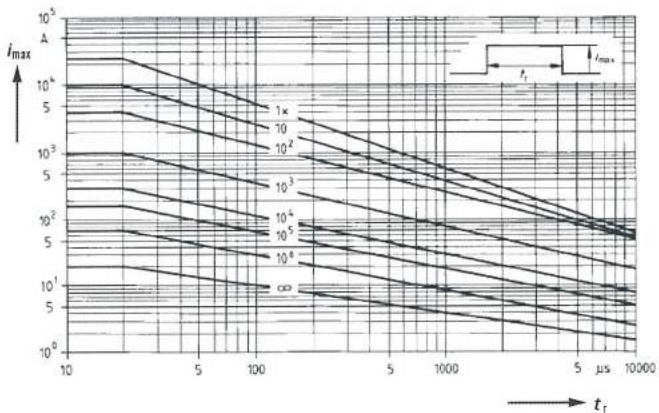
MYL34S-201□ ~ MYL34S-162□



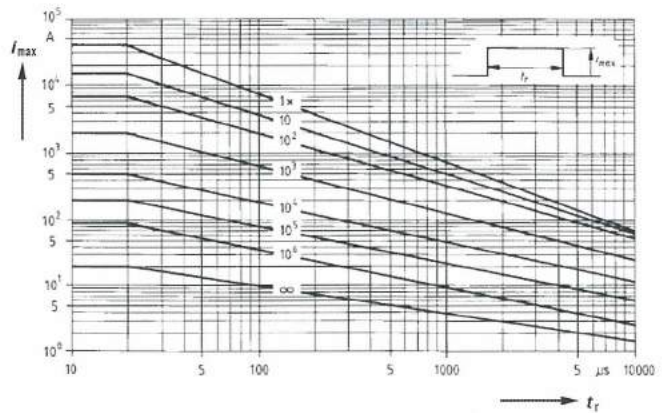
Pulse Rating Curves

脉冲寿命额定值曲线

MYL32-201□ ~ MYL32-162□

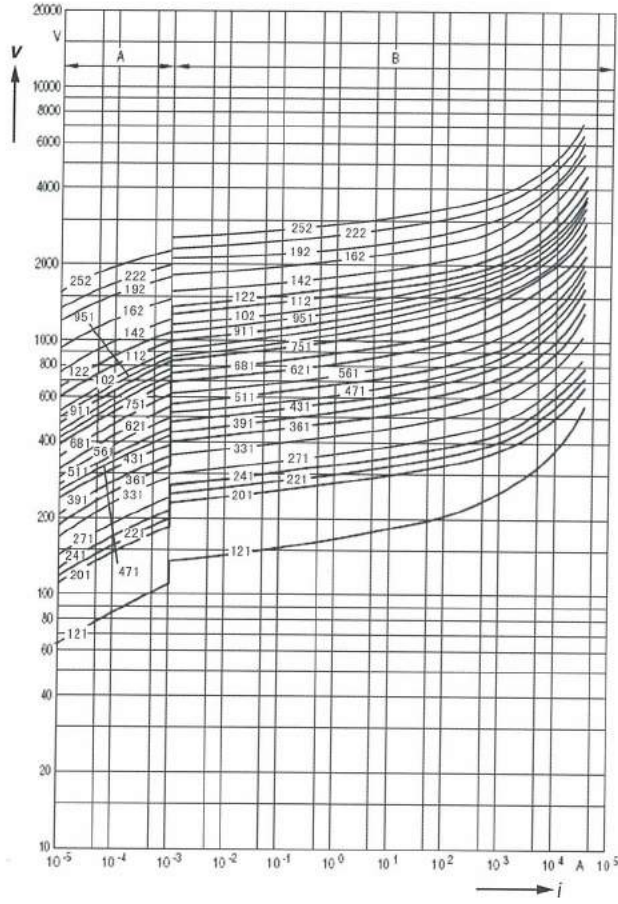


MYL34S-201□ ~ MYL34S-162□

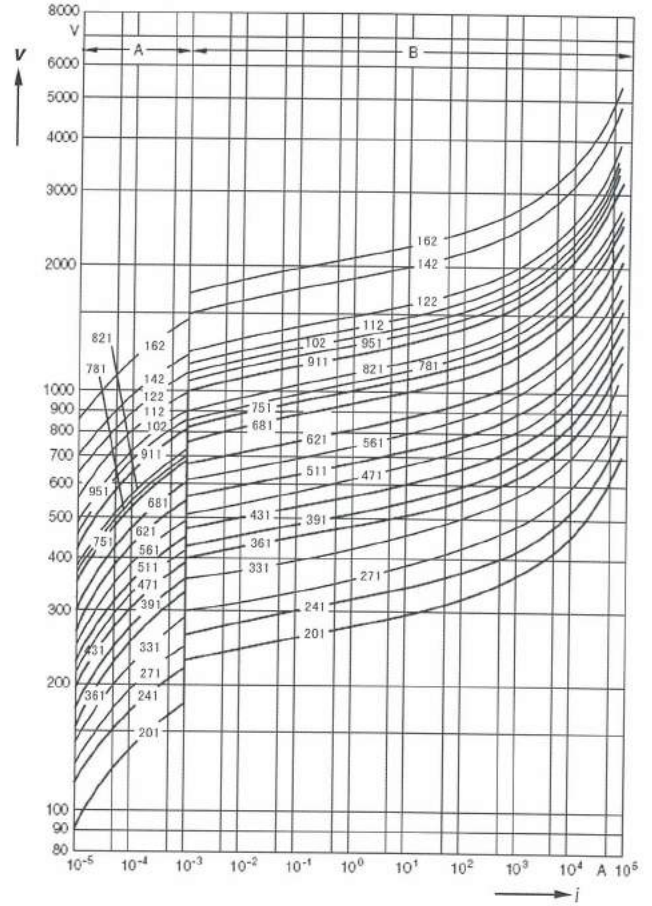


Transient V-I Characteristics Curves
瞬时伏安特性曲线

MYL40-201□ ~ MYL40-252□

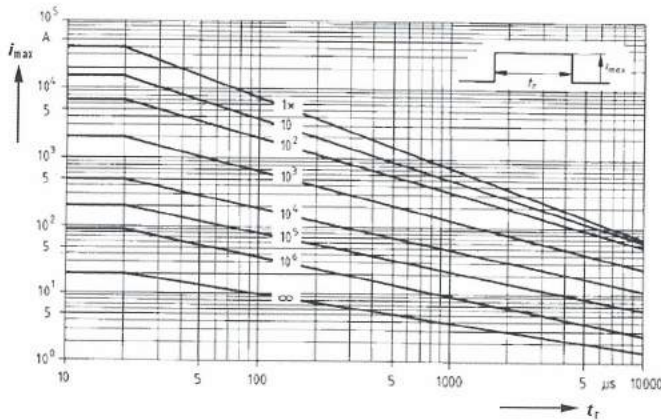


MYL53-201B ~ MYL53-162B

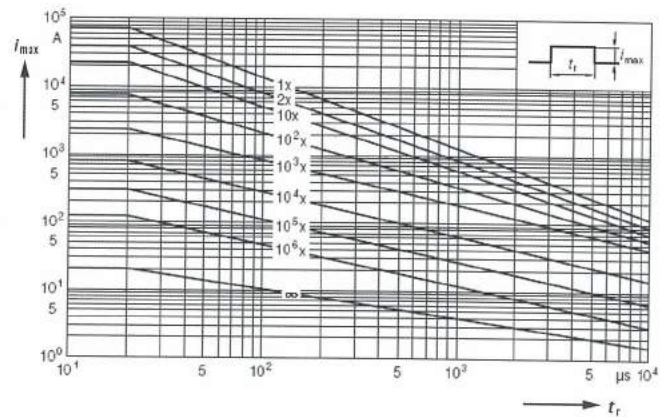


Pulse Rating Curves
脉冲寿命额定值曲线

MYL40-201□ ~ MYL40-252□



MYL53-201B ~ MYL53-162B



MYE HIGH DUTY SERIES

MYE高负荷型系列



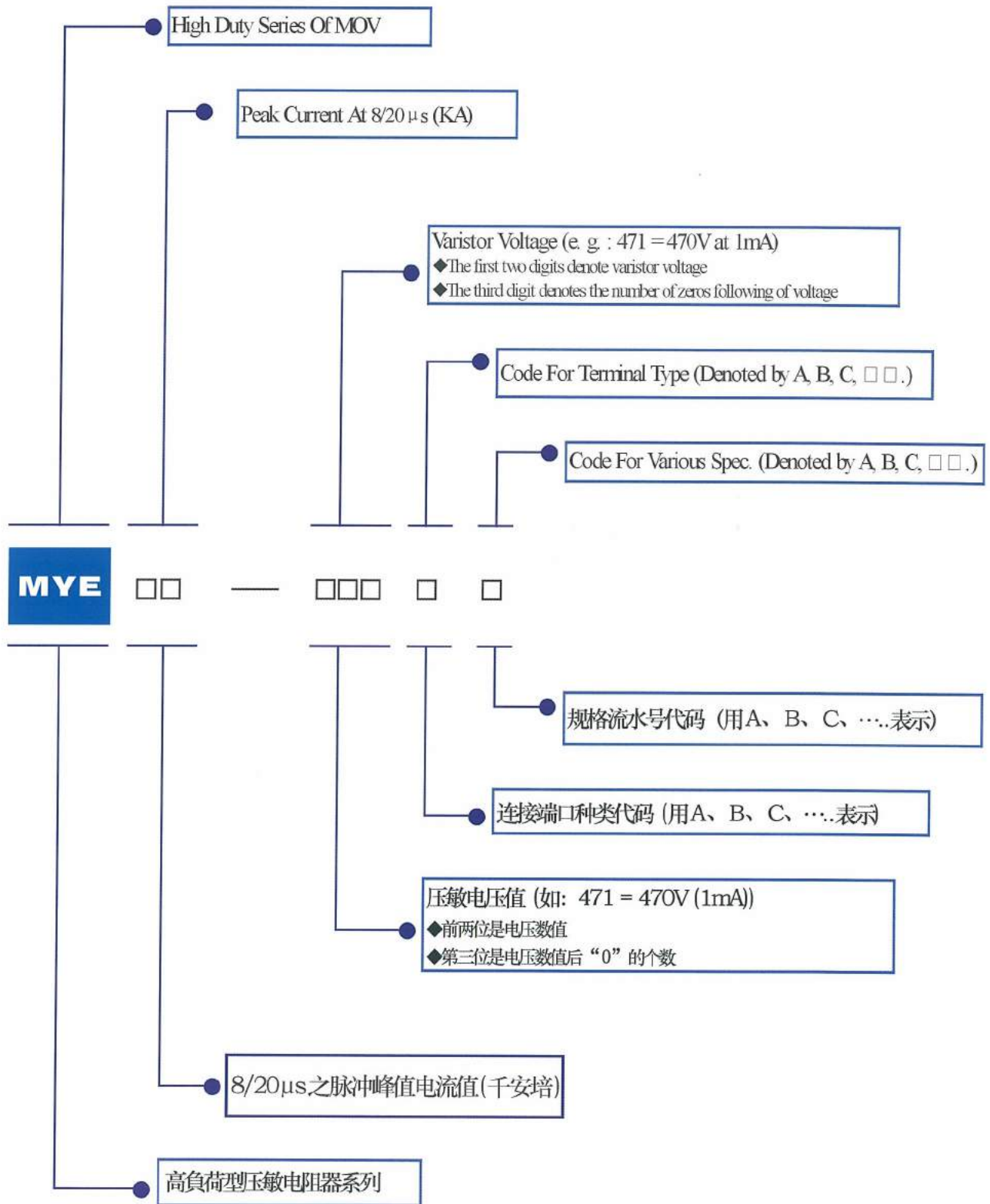
FEATURES

特点说明

Steady State AC Voltage Range ($V_{M(AC)RMS}$)	稳压交流电压定值	130 V ~ 2800 V
High Peak Surge Current Rating (I_{TM}) 8/20 μ s Pulse	高峰值冲击电流值	20K A ~ 70K A
Single-Pulse Energy Range (W_{TM}) 2ms Square Wave	单次脉冲能量	180 J ~ 10000 J
Average Power dissipation of transients	瞬间平均功率	< 1.20 W ~ < 2.50 W
Operating Temperature Range	工作温度	-55°C ~ +85°C
Storage Temperature Range	贮存温度	-55°C ~ +125°C
Hi-Pot Encapsulation (Isolation Voltage Capability)	绝缘耐压容量	2500 V _{DC} ~ 5000 V _{DC}
Insulation Resistance	绝缘电阻	1000 M Ω
Maximum Voltage-Temperature Coefficient	最大电压温度系数	< 0.01% / °C
Response time	响应时间	< 25ns

KVR ITEM NUMBERING SYSTEM

KVR 产品型号编码规则



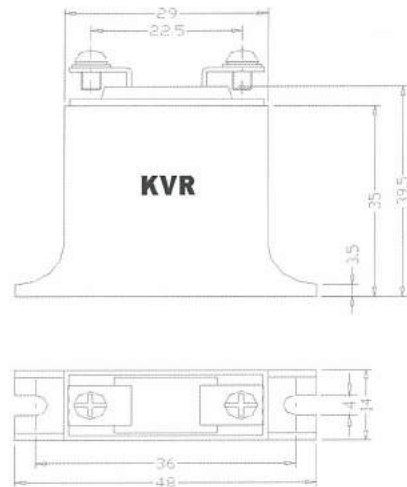
MYE HIGH DUTY SERIES

DIMENSIONS

外型尺寸

MYE20

Terminal A Type



ELECTRICAL CHARACTERISTICS 电性能参数

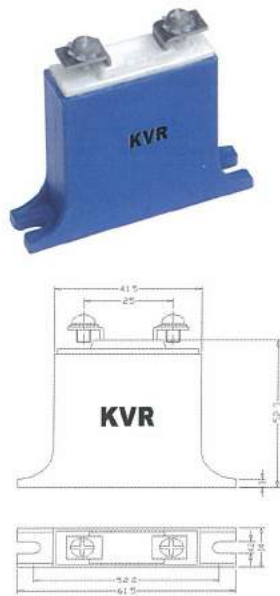
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值					CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在 Ip 下限制电压 (8/20μs)		Typical Capacitance 典型电容容量 F=1KHz (pF)	Continuous Voltage 连续电压		Energy 能量 10/1000μs W _{TM} (J)	Peak Current 峰值电流 (8/20μs) I _{TM} (KA)			
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)		V _{RMS}	V _{DC}					
MYE20-201A	184	200	224	340	150	4300	130	175	180	20	CE	VDE	UL
MYE20-221A	198	220	242	360		4100	140	180	190				
MYE20-241A	216	240	259	395		3700	150	200	200				
MYE20-271A	255	270	300	455		3200	180	230	250				
MYE20-331A	297	330	363	545		2700	210	270	270				
MYE20-361A	326	360	396	595		2500	230	300	290				
MYE20-391A	354	390	432	650		2300	250	330	330				
MYE20-431A	389	430	466	710		2100	275	360	340				
MYE20-471A	425	470	517	790		1900	300	390	350				
MYE20-511A	460	510	558	850		1800	320	420	360				
MYE20-561A	522	560	630	960		1500	360	470	370				
MYE20-621A	558	620	682	1025		1500	390	505	380				
MYE20-681A	612	680	748	1120		1400	420	560	390				
MYE20-751A	675	750	825	1240		1200	460	615	430				
MYE20-781A	702	780	858	1300		1200	480	640	440				
MYE20-821A	738	820	900	1350		1100	510	675	450				
MYE20-911A	819	910	933	1400		1000	550	700	480				
MYE20-951A	855	950	1000	1500		990	580	735	520				
MYE20-102A	900	1000	1100	1650		920	620	800	550				
MYE20-112A	990	1100	1200	1800		840	680	860	620				
MYE20-122A	1080	1200	1320	2000	750	750	970	670					

MYE 高负荷型系列

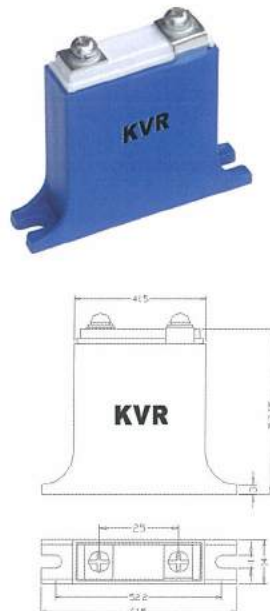
DIMENSIONS

外型尺寸

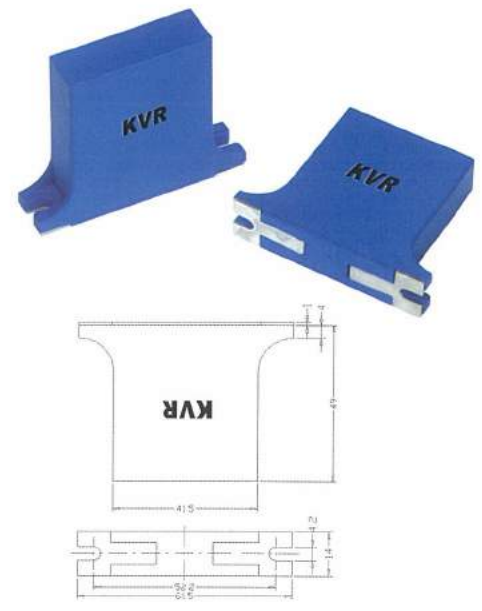
MYE30
Terminal A Type



MYE30
Terminal B Type



MYE30
Terminal C Type



ELECTRICAL CHARACTERISTICS 电性能参数

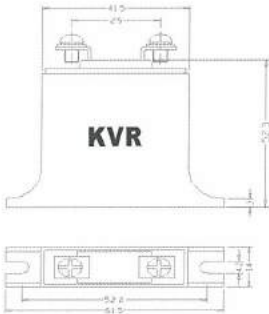
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证			
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip下限制电压 (8/20μs)		Continuous Voltage 连续电压		Energy 能量 10/1000μs	Peak Current 峰值电流 (8/20μs)				
	Min (V)	V _{NDC} (V)	Max (V)	V _c (V)	I _p (A)	F=1KHz Typical Capacitance 典型电容值 (pF)	V _{M(AC)} (V)						V _{M(DC)} (V)
MYE30-201□	184	200	224	340	200	4100	130	175	210	30	★		◆
MYE30-221□	198	220	242	360		3700	140	180	225		★		◆
MYE30-241□	216	240	259	395		3400	150	200	240		★		◆
MYE30-271□	255	270	300	455		2900	180	230	250		★		◆
MYE30-331□	297	330	363	550		2600	210	270	270		★		◆
MYE30-361□	326	360	396	595		2300	230	300	300		★		◆
MYE30-391□	354	390	429	650		2100	250	330	330		★		◆
MYE30-431□	389	430	466	710		2000	275	360	360		★		◆
MYE30-471□	425	470	517	790		1700	300	390	380		★		◆
MYE30-511□	462	510	552	840		1600	320	420	430		★		◆
MYE30-561□	522	560	625	950		1400	360	470	490		★		◆
MYE30-621□	558	620	674	1025		1300	390	505	550		★		◆
MYE30-681□	612	680	736	1120		1300	420	560	600		★		◆
MYE30-751□	675	750	815	1240		1100	460	615	520		★		◆
MYE30-781□	702	780	858	1300		1100	480	640	550		★		◆
MYE30-821□	738	820	900	1350		1000	510	675	580		★		◆
MYE30-911□	819	910	933	1400		950	550	700	620		★		◆
MYE30-951□	855	950	1000	1500		900	580	735	650		★		◆
MYE30-102□	900	1000	1080	1650		840	620	800	680		★		◆
MYE30-112□	990	1100	1180	1800		770	680	860	760		★		◆
MYE30-122□	1080	1200	1320	2000	690	750	970	800	★		◆		

MYE HIGH DUTY SERIES

DIMENSIONS

外型尺寸

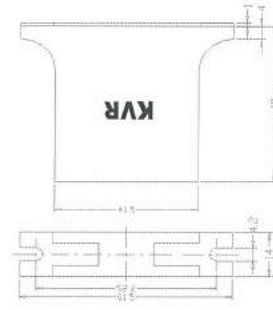
MYE40
Terminal A Type



MYE40
Terminal B Type



MYE40
Terminal C Type



ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值					CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压		@Ip Clamping Voltage 在Ip下限制电压 (8/20μs)		Typical Capacitance 典型电容容量 F=1KHz (pF)	Continuous Voltage 连续电压		Energy 能量 10/1000μs W _{TM} (J)	Peak Current 峰值电流 (8/20μs) I _{TM} (KA)				
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)		I _p (A)	V _{RMS}			V _{DC}			
MYE40-201□	184	200	224	340	300	7900	130	175	310	40	★		◆
MYE40-221□	198	220	242	360		7200	140	180	330		★		◆
MYE40-241□	216	240	259	395		6600	150	200	360		★		◆
MYE40-271□	255	270	300	455		5600	180	230	390		★		◆
MYE40-331□	297	330	363	550		5000	210	270	430		★		◆
MYE40-361□	326	360	396	595		4400	230	300	460		★		◆
MYE40-391□	354	390	429	650		4100	250	330	490		★		◆
MYE40-431□	389	430	466	710		3800	275	360	550		★		◆
MYE40-471□	425	470	517	790		3400	300	390	600		★		◆
MYE40-511□	462	510	551	840		3200	320	420	640		★		◆
MYE40-561□	522	560	625	950		2900	360	470	710		★		◆
MYE40-621□	558	620	674	1025		2600	390	505	800		★		◆
MYE40-681□	612	680	736	1120		2400	420	560	910		★		◆
MYE40-751□	675	750	815	1240		2200	460	615	920		★		◆
MYE40-781□	702	780	858	1300		2100	480	640	930		★		◆
MYE40-821□	738	820	888	1350		2000	510	675	940		★		◆
MYE40-911□	819	910	933	1400		1800	550	700	960		★		◆
MYE40-951□	855	950	988	1500		1700	580	735	1000		★		◆
MYE40-102□	900	1000	1080	1650		1600	620	800	1040		★		◆
MYE40-112□	990	1100	1180	1800		1500	680	860	1100		★		◆
MYE40-122□	1080	1200	1310	2000	1300	750	970	1200	★		◆		

MYE 高负荷型系列

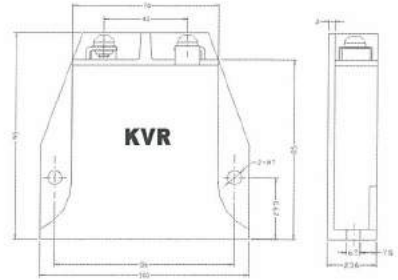
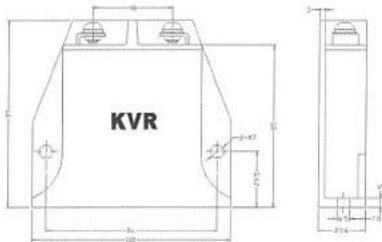
DIMENSIONS

外型尺寸

MYE70-201□ ~ MYE70-162□

Terminal D Type

Terminal E Type



ELECTRICAL CHARACTERISTICS 电性能参数

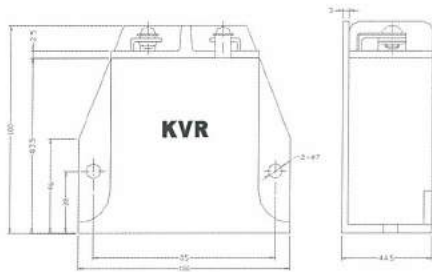
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格						MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip 下限制电压 (8/20μs)			Continuous Voltage 连续电压		Energy 能量 10/1000μs W _{TM} (J)	Peak Current 峰值电流 (8/20μs) I _{TM} (KA)			
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)	F= 1KHz (pF)	V _{RMS} V _{M(AC)} (V)	V _{DC} V _{M(DC)} (V)					
MYE70-201□	184	200	224	340	500	14000	130	175	490	70			
MYE70-241□	216	240	259	395		11000	150	200	570				
MYE70-271□	255	270	300	455		10000	180	230	630				
MYE70-331□	297	330	363	550		8500	210	270	670				
MYE70-361□	326	360	396	595		7700	230	300	730				
MYE70-391□	354	390	429	650		7100	250	330	880				
MYE70-431□	389	430	466	710		6600	275	360	950				
MYE70-471□	425	470	517	790		5900	300	390	1000				
MYE70-511□	462	510	558	850		5700	320	420	1100				
MYE70-561□	522	560	625	950		5000	360	470	1150				
MYE70-621□	558	620	674	1025		4600	390	505	1200				
MYE70-681□	612	680	736	1120		4400	420	560	1500				
MYE70-751□	675	750	815	1240		3900	460	615	1550				
MYE70-781□	702	780	858	1300		3800	480	640	1600				
MYE70-821□	738	820	888	1350		3500	510	675	1800				
MYE70-911□	819	910	933	1400		3300	550	700	2000				
MYE70-951□	855	950	980	1500		3100	580	735	2100				
MYE70-102□	900	1000	1080	1650		2900	620	800	2200				
MYE70-112□	990	1100	1180	1800		2700	680	860	2500				
MYE70-122□	1080	1200	1320	2000		2400	750	970	2600				
MYE70-142□	1260	1400	1520	2290	2100	880	1150	3200					
MYE70-162□	1440	1600	1760	2700	1800	1000	1200	3200					

DIMENSIONS

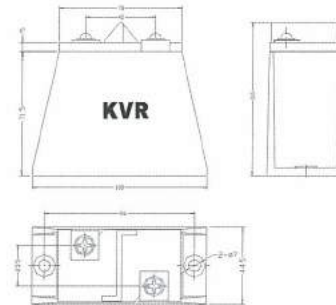
外型尺寸

MYE70-182□ ~ MYE70-472□

Terminal F Type



Terminal G Type



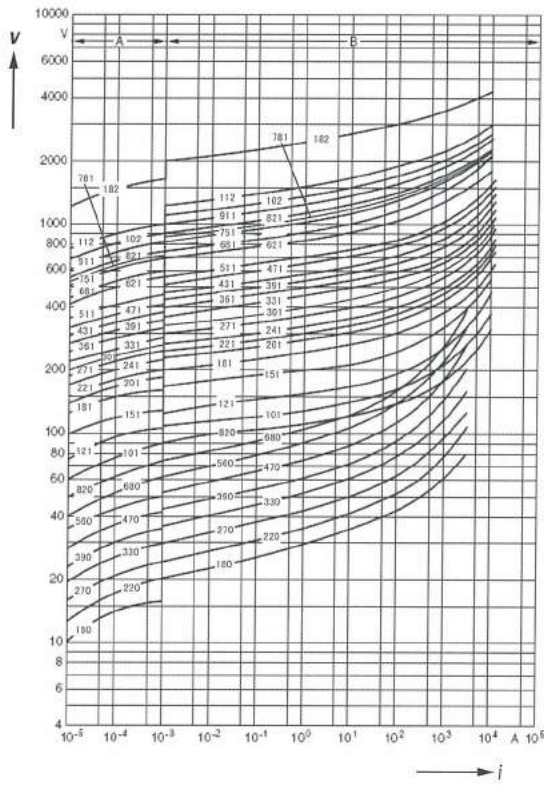
ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格						MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip下限制电压 (8/20μs)		Typical Capacitance 典型电容量 F= 1KHz (pF)	Continuous Voltage 连续电压		Energy 能量 10/1000μS W _{TM} (J)	Peak Current 峰值电流 (8/20μs) I _{TM} (KA)			
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)		V _{RMS}	V _{DC}					
						V _{M(AC)} (V)	V _{M(DC)} (V)						
MYE70-182□	1620	1800	1930	2940	500	2200	1100	1400	3800	70	  		
MYE70-222□	2020	2200	2550	3600		1800	1400	1750	5000				
MYE70-272□	2500	2700	3030	4300		1500	1700	2150	6000				
MYE70-332□	2970	3300	3630	5200		1200	2000	2500	7500				
MYE70-392□	3510	3900	4290	6200		1000	2400	3000	8600				
MYE70-472□	4230	4700	5170	7400		800	2800	3500	10000				

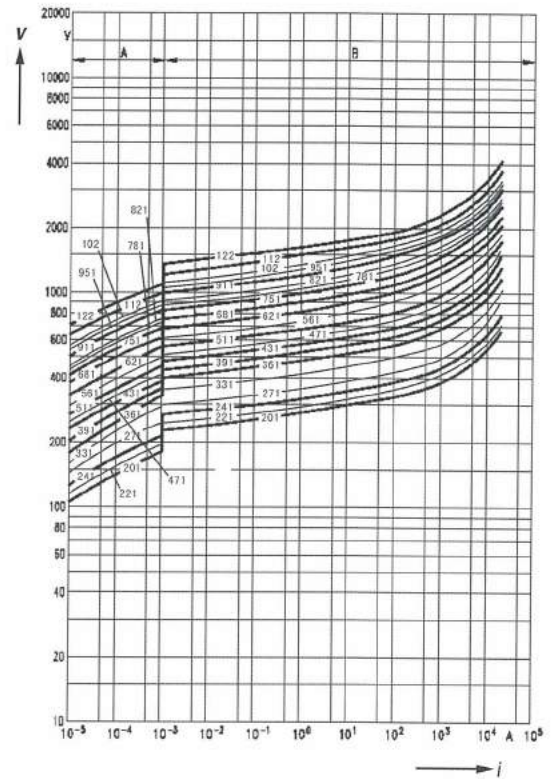
Transient V-I Characteristics Curves

瞬时伏安特性曲线

MYE20-201A ~ MYE20-122A



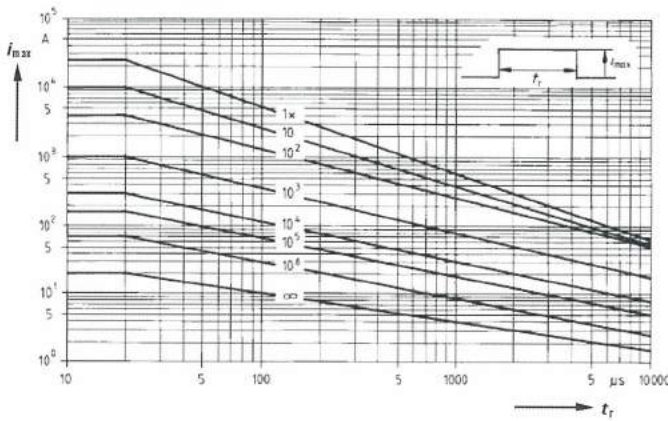
MYE30-201□ ~ MYE30-122□



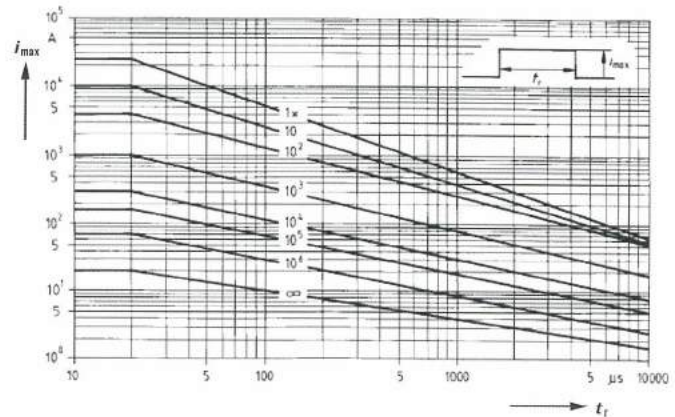
Pulse Rating Curves

脉冲寿命额定值曲线

MYE20-201A ~ MYL20-122A



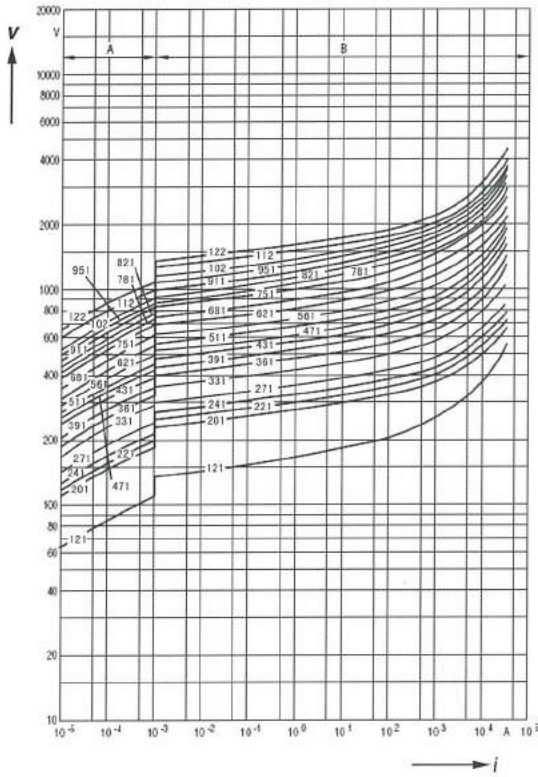
MYE30-201□ ~ MYL30-122□



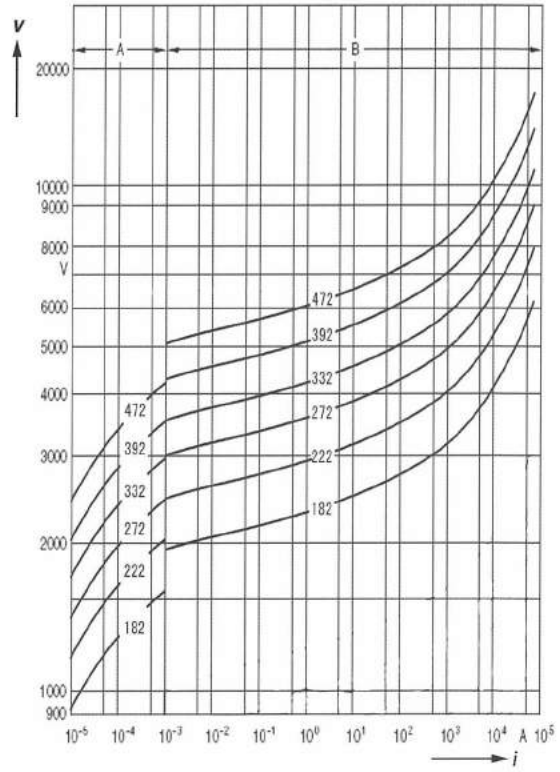
Transient V-I Characteristics Curves

瞬时伏安特性曲线

MYE40-201□ ~ MYE40-122□



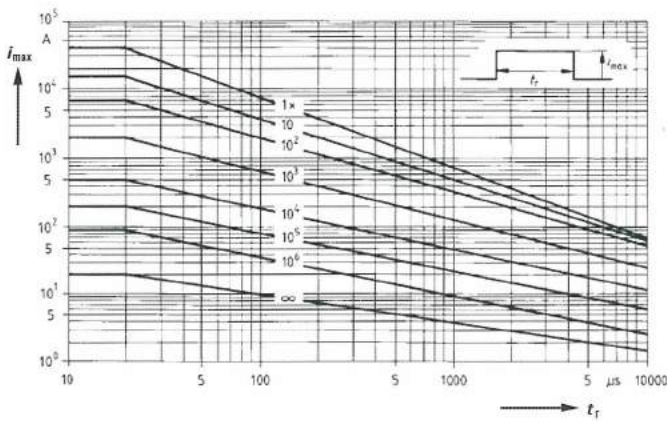
MYE70-182□ ~ MYE70-472□



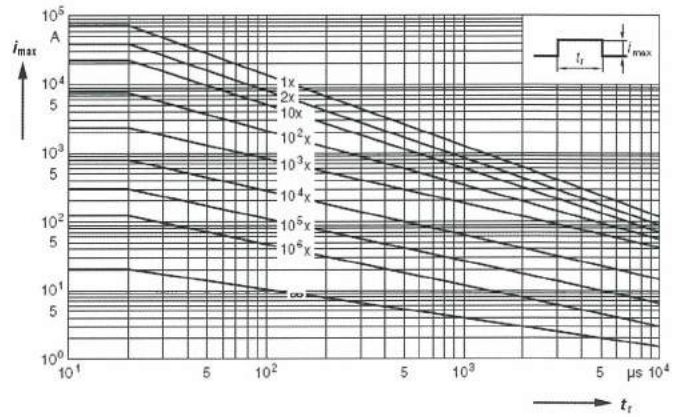
Pulse Rating Curves

脉冲寿命额定值曲线

MYE40-201□ ~ MYL40-122□



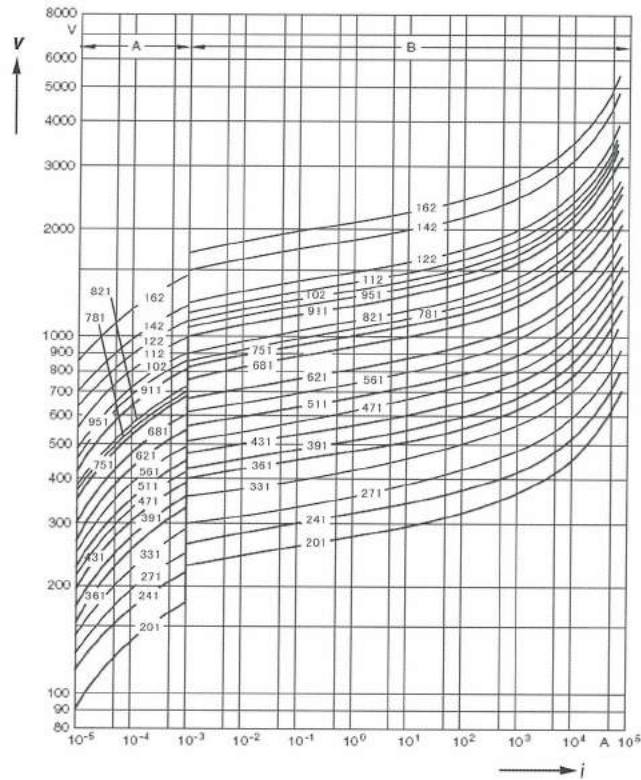
MYE70-201□ ~ MYL70-472□



Transient V-I Characteristics Curves

瞬时伏安特性曲线

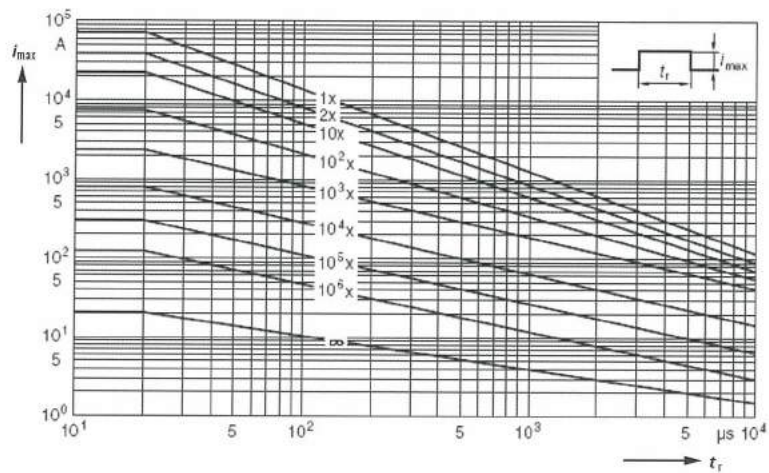
MYE70-201□ ~ MYE70-162□



Pulse Rating Curves

脉冲寿命额定值曲线

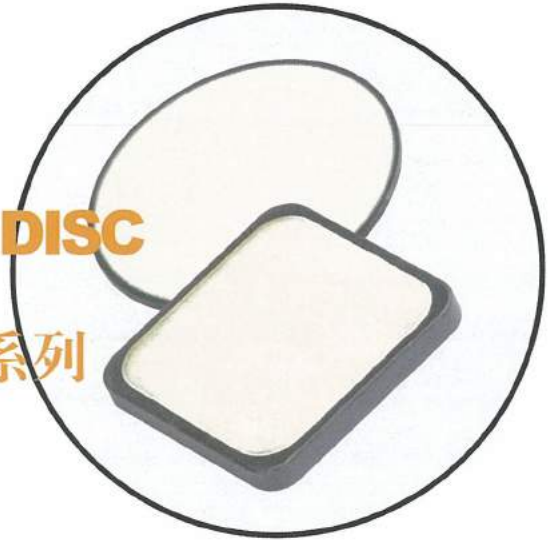
MYE70-201□ ~ MYL70-472□



MYE HIGH DUTY SERIES

MYP HIGH ENERGY DISC VARISTOR SERIES

MYP高能量压敏电阻片系列



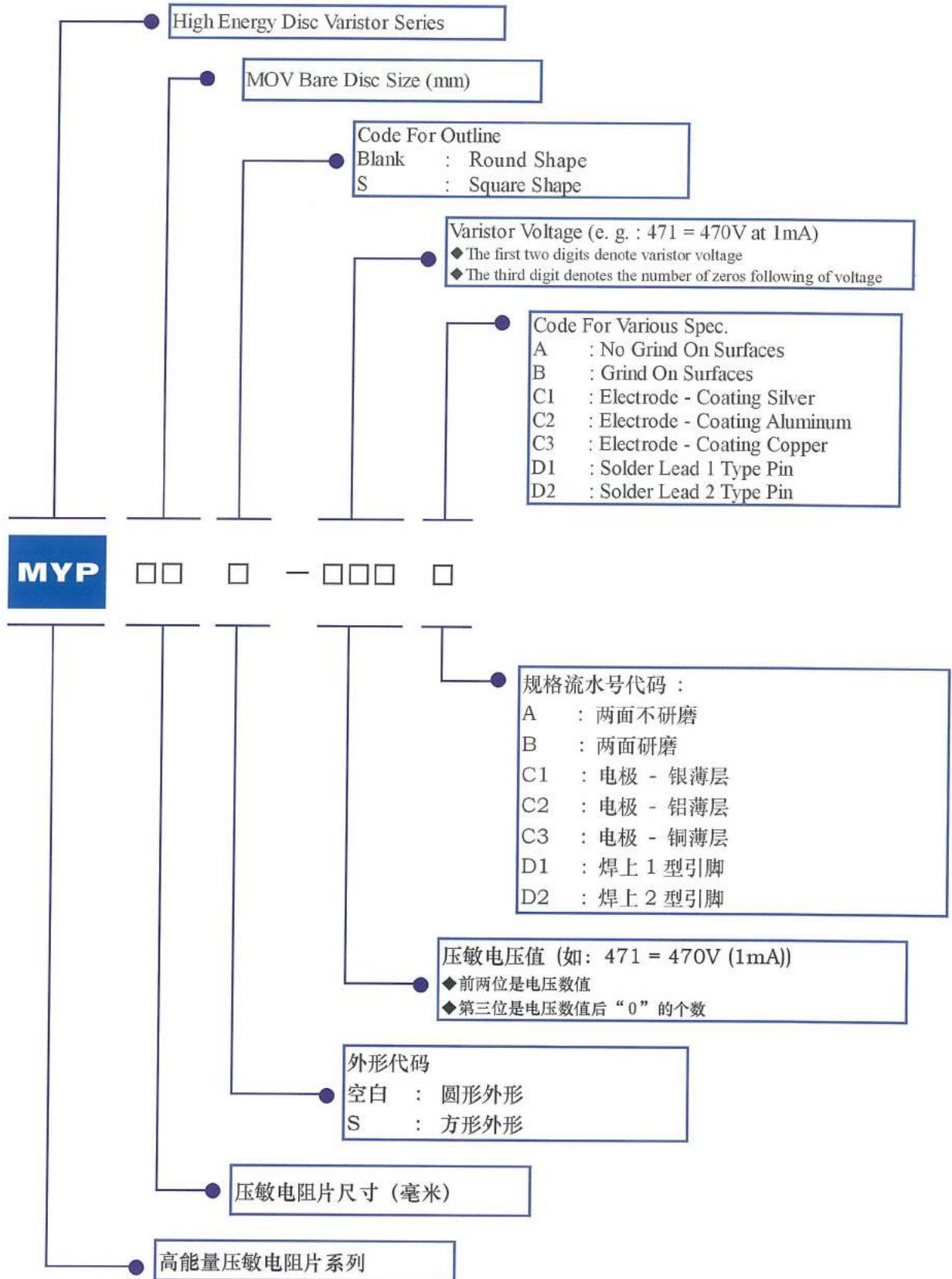
FEATURES

特点说明

Steady State AC Voltage Range ($V_{M(AC)RMS}$)	稳压交流电压定值	75 V ~ 1000 V
High Peak Surge Current Rating (I_{TM}) 8/20 μ s Pulse	高峰值冲击电流值	25K A ~ 70K A
Single-Pulse Energy Range (W_{TM}) 10/1000 μ s Square Wave	单次脉冲能量	120 J ~ 3200 J
Average Power dissipation of transients	瞬间平均功率	< 1.20 W ~ < 2.50 W
Operating Temperature Range	工作温度	-55°C ~ + 85°C
Storage Temperature Range	贮存温度	-55°C ~ + 125°C
Maximum Voltage-Temperature Coefficient	最大电压温度系数	< 0.01% / °C
Response time	响应时间	< 25ns

KVR ITEM NUMBERING SYSTEM

KVR 产品型号编码规则

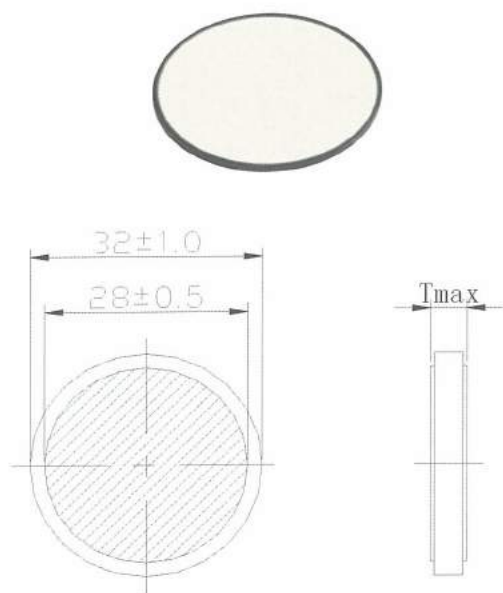


MYP HIGH ENERGY DISC VARISTOR SERIES

DIMENSIONS

外型尺寸

MYP32



Item No. 型号	T max. (mm)
-121□□	1.00
-151□□	1.20
-181□□	1.40
-201□□	1.50
-221□□	1.60
-241□□	1.80
-271□□	2.20
-331□□	2.40
-361□□	2.60
-391□□	2.90
-431□□	3.20
-471□□	3.40
-511□□	3.80

Item No. 型号	T max. (mm)
-561□□	4.20
-621□□	4.60
-681□□	5.00
-751□□	5.20
-781□□	5.50
-821□□	6.10
-911□□	6.40
-951□□	6.70
-102□□	7.40
-112□□	8.00
-122□□	9.40
-142□□	10.70
-162□□	12.00

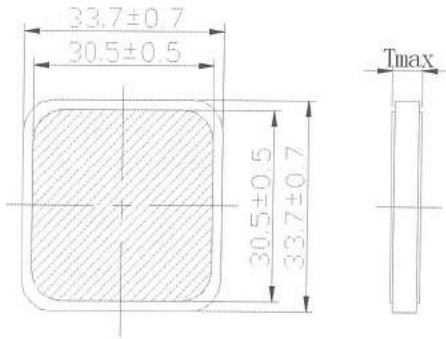
ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证			
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip下限制电压 (8/20μs)		Typical Capacitance 典型电容量 F = 1KHz (pF)	Continuous Voltage 连续电压		Energy 能量 10/1000μs W _{TM} (J)	Peak Current 峰值电流 (8/20μs) I _{TM} (KA)	CE	VDE	UL
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)		V _{RMS}	V _{DC}					
MYP32-121□□	108	120	132	200	200	5500	75	100	120	25	CE	VDE	UL
MYP32-151□□	135	150	165	250		5000	95	125	140				
MYP32-181□□	162	180	198	300		4500	115	150	180				
MYP32-201□□	184	200	224	340		4100	130	175	210				
MYP32-221□□	198	220	242	360		3700	140	180	225				
MYP32-241□□	216	240	259	395		3400	150	200	240				
MYP32-271□□	255	270	300	455		2900	180	230	250				
MYP32-331□□	297	330	363	550		2600	210	270	270				
MYP32-361□□	326	360	396	595		2300	230	300	300				
MYP32-391□□	354	390	429	650		2100	250	330	330				
MYP32-431□□	389	430	466	710		2000	275	360	360				
MYP32-471□□	425	470	517	790		1700	300	390	380				
MYP32-511□□	462	510	558	850		1600	320	420	430				
MYP32-561□□	522	560	625	950		1400	360	470	490				
MYP32-621□□	558	620	674	1025		1300	390	505	550				
MYP32-681□□	612	680	736	1120		1300	420	560	600				
MYP32-751□□	675	750	815	1240		1100	460	615	520				
MYP32-781□□	702	780	858	1300		1100	480	640	550				
MYP32-821□□	738	820	902	1350		1000	510	675	580				
MYP32-911□□	819	910	933	1400		950	550	700	620				
MYP32-951□□	855	950	988	1500		900	580	735	650				
MYP32-102□□	900	1000	1080	1650		840	620	800	680				
MYP32-112□□	990	1100	1180	1800		770	680	860	760				
MYP32-122□□	1080	1200	1320	2000		690	750	970	800				
MYP32-142□□	1260	1400	1520	2290	590	880	1150	850					
MYP32-162□□	1440	1600	1760	2700	520	1000	1200	900					

DIMENSIONS

外型尺寸

MYP34S



Item No. 型号	T max. (mm)
-121□□	1.40
-151□□	1.40
-181□□	1.40
-201□□	1.50
-221□□	1.60
-241□□	1.80
-271□□	2.20
-331□□	2.40
-361□□	2.60
-391□□	2.90
-431□□	3.20
-471□□	3.40
-511□□	3.80

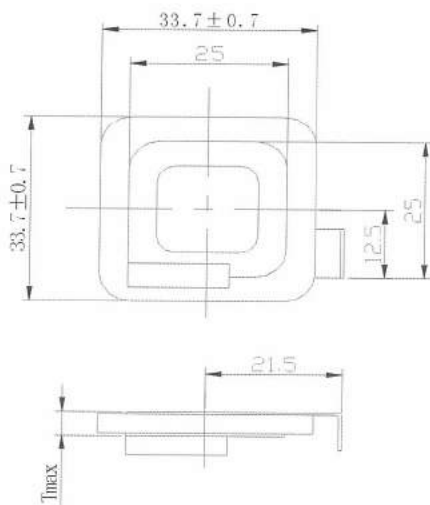
Item No. 型号	T max. (mm)
-561□□	4.20
-621□□	4.60
-681□□	5.00
-751□□	5.20
-781□□	5.50
-821□□	6.10
-911□□	6.40
-951□□	6.70
-102□□	7.40
-112□□	8.00
-122□□	9.40
-142□□	10.70
-162□□	12.00

DIMENSIONS

外型尺寸

MYP34S

1 Type Pin



Item No. 型号	T max. (mm)
-121□ D2	2.00
-151□ D2	2.20
-181□ D2	2.40
-201□ D2	2.50
-221□ D2	2.60
-241□ D2	2.80
-271□ D2	3.20
-331□ D2	3.40
-361□ D2	3.60
-391□ D2	3.90
-431□ D2	4.20
-471□ D2	4.40
-511□ D2	4.80

Item No. 型号	T max. (mm)
-561□ D2	5.20
-621□ D2	5.60
-681□ D2	6.00
-751□ D2	6.20
-781□ D2	6.50
-821□ D2	7.10
-911□ D2	7.40
-951□ D2	7.70
-102□ D2	8.40
-112□ D2	9.00
-122□ D2	10.40
-142□ D2	11.70
-162□ D2	13.00

DIMENSIONS

外型尺寸
MYP34S
2 Type Pin



Item No. 型号	T max. (mm)
-121□ D1	4.50
-151□ D1	4.90
-181□ D1	5.30
-201□ D1	5.50
-221□ D1	5.70
-241□ D1	6.10
-271□ D1	6.90
-331□ D1	7.30
-361□ D1	7.70
-391□ D1	8.30
-431□ D1	8.90
-471□ D1	9.30
-511□ D1	10.10

Item No. 型号	T max. (mm)
-561□ D1	10.90
-621□ D1	11.70
-681□ D1	12.50
-751□ D1	12.90
-781□ D1	13.50
-821□ D1	14.70
-911□ D1	15.30
-951□ D1	15.90
-102□ D1	17.30
-112□ D1	18.50
-122□ D1	21.30
-142□ D1	23.90
-162□ D1	26.50

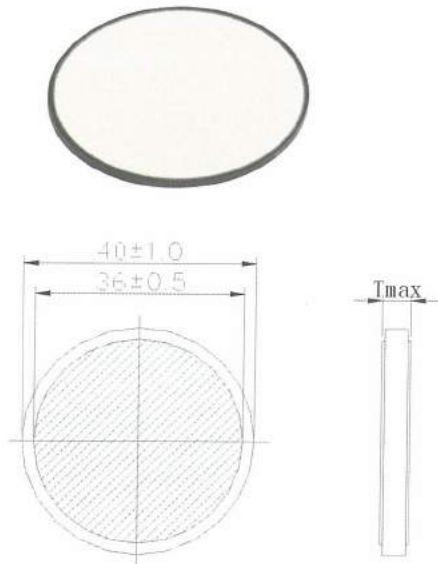
ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格						MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip 下限制电压 (8/20μs)			Continuous Voltage 连续电压		Energy 能量 10/1000μs	Peak Current 峰值电流 (8/20μs)	CE	VDE	UL
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)	F=1KHz (pF)	V _{M(AC)} (V)	V _{M(DC)} (V)					
MYP34S-121□□	108	120	132	200	200	11000	75	100	190	40	CE	VDE	UL
MYP34S-151□□	135	150	165	250		10000	95	125	220				
MYP34S-181□□	162	180	198	300		9000	115	150	250				
MYP34S-201□□	184	200	224	340		7900	130	175	310				
MYP34S-221□□	198	220	242	360		7200	140	180	330				
MYP34S-241□□	216	240	259	395		6600	150	200	360				
MYP34S-271□□	255	270	300	455		5600	180	230	390				
MYP34S-331□□	297	330	363	550		5000	210	270	430				
MYP34S-361□□	326	360	396	595		4400	230	300	460				
MYP34S-391□□	354	390	429	650		4100	250	330	490				
MYP34S-431□□	389	430	466	710		3800	275	360	550				
MYP34S-471□□	425	470	517	790		3400	300	390	600				
MYP34S-511□□	462	510	558	850		3200	320	420	640				
MYP34S-561□□	522	560	625	950	2900	360	470	710					
MYP34S-621□□	558	620	674	1025	2600	390	505	800					
MYP34S-681□□	612	680	736	1120	2400	420	560	910					
MYP34S-751□□	675	750	815	1240	2200	460	615	920					
MYP34S-781□□	702	780	858	1300	2100	480	640	930					
MYP34S-821□□	738	820	902	1350	2000	510	675	940					
MYP34S-911□□	819	910	933	1400	1800	550	700	960					
MYP34S-951□□	855	950	988	1500	1700	580	735	1000					
MYP34S-102□□	900	1000	1080	1650	1600	620	800	1040					
MYP34S-112□□	990	1100	1180	1800	1500	680	860	1100					
MYP34S-122□□	1080	1200	1320	2000	1300	750	970	1200					
MYP34S-142□□	1260	1400	1520	2290	1100	880	1150	1300					
PMY34S-162□□	1440	1600	1688	2550	1000	1000	1200	1400					

DIMENSIONS

外型尺寸

MYP40



Item No. 型号	T max. (mm)
-201	1.50
-221	1.60
-241	1.80
-271	2.20
-331	2.40
-361	2.60
-391	2.90
-431	3.20
-471	3.40
-511	3.80
-561	4.20
-621	4.60

Item No. 型号	T max. (mm)
-681	5.00
-751	5.20
-781	5.50
-821	6.10
-911	6.40
-951	6.70
-102	7.40
-112	8.00
-122	9.40
-142	10.70
-162	12.00

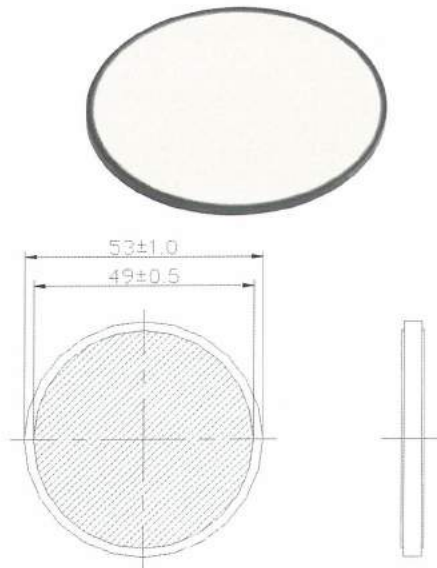
ELECTRICAL CHARACTERISTICS 电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证			
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip下限制电压 (8/20μs)		Continuous Voltage 连续电压		Energy 能量 10/1000μs	Peak Current 峰值电流 (8/20μs)				
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)	V _{RMS}	V _{DC}			W _{TM} (J)	I _{TM} (KA)		
MYP40-201□□	184	200	224	340	300	8600	130	175	310	40	CE	VDE	R
MYP40-221□□	198	220	242	360		7800	140	180	330				
MYP40-241□□	216	240	259	395		7200	150	200	360				
MYP40-271□□	255	270	300	455		6000	180	230	390				
MYP40-331□□	297	330	363	550		5400	210	270	430				
MYP40-361□□	326	360	396	595		4800	230	300	460				
MYP40-391□□	354	390	429	650		4400	250	330	490				
MYP40-431□□	389	430	466	710		4100	275	360	550				
MYP40-471□□	425	470	517	790		3600	300	390	600				
MYP40-511□□	462	510	558	850		3400	320	420	640				
MYP40-561□□	522	560	625	950		3100	360	470	710				
MYP40-621□□	558	620	674	1025		2800	390	505	800				
MYP40-681□□	612	680	736	1120		2600	420	560	910				
MYP40-751□□	675	750	815	1240		2400	460	615	920				
MYP40-781□□	702	780	858	1300		2270	480	640	930				
MYP40-821□□	738	820	902	1350		2160	510	675	940				
MYP40-911□□	819	910	933	1400		1940	550	700	960				
MYP40-951□□	855	950	988	1500		1800	580	735	1000				
MYP40-102□□	900	1000	1080	1650		1730	620	800	1040				
MYP40-112□□	990	1100	1180	1800		1620	680	860	1100				
MYP40-122□□	1080	1200	1320	2000	1400	750	970	1200					
MYP40-142□□	1260	1400	1520	2290	1200	880	1150	1300					
PMY40-162□□	1440	1600	1760	2700	1080	1000	1200	1400					

DIMENSIONS

外型尺寸

MYP53



Item No. 型号	T max. (mm)
-201	1.50
-221	1.60
-241	1.80
-271	2.20
-331	2.40
-361	2.60
-391	2.90
-431	3.20
-471	3.40
-511	3.80
-561	4.20
-621	4.60

Item No. 型号	T max. (mm)
-681	5.00
-751	5.20
-781	5.50
-821	6.10
-911	6.40
-951	6.70
-102	7.40
-112	8.00
-122	9.40
-142	10.70
-162	12.00

ELECTRICAL CHARACTERISTICS 电性能参数

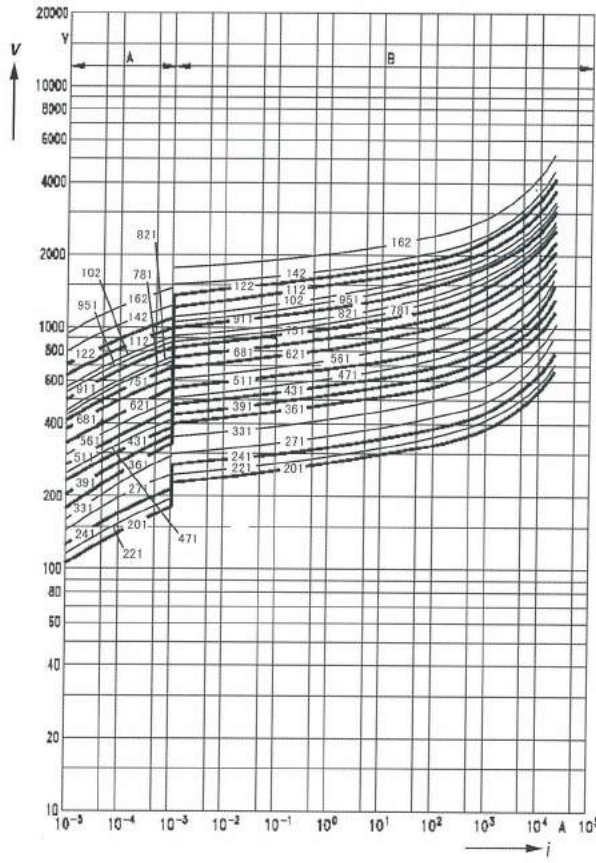
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证			
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip下限制电压 (8/20μs)		Typical Capacitance 典型电容量 F= 1KHz	Continuous Voltage 连续电压		Energy 能量 10/1000μs W _{TM}	Peak Current 峰值电流 (8/20μs) I _{TM}	CE	VDE	UL
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)		V _{RMS}	V _{DC}					
MYP53-201□□	184	200	224	340	500	14000	130	175	490	70	CE	VDE	UL
MYP53-221□□	198	220	242	360		12500	140	180	530				
MYP53-241□□	216	240	259	395		11000	150	200	570				
MYP53-271□□	255	270	300	455		10000	180	230	420				
MYP53-331□□	297	330	363	550		8500	210	270	670				
MYP53-361□□	326	360	396	595		7700	230	300	730				
MYP53-391□□	354	390	429	650		7100	250	330	880				
MYP53-431□□	389	430	466	710		6600	275	360	950				
MYP53-471□□	425	470	517	790		5900	300	390	1000				
MYP53-511□□	462	510	558	850		5700	320	420	1100				
MYP53-561□□	522	560	625	950		5000	360	470	1150				
MYP53-621□□	558	620	674	1025		4600	390	505	1200				
MYP53-681□□	612	680	736	1120		4400	420	560	1500				
MYP53-751□□	675	750	815	1240		3900	460	615	1550				
MYP53-781□□	702	780	858	1300		3800	480	640	1600				
MYP53-821□□	738	820	902	1350		3500	510	675	1800				
MYP53-911□□	819	910	933	1400		3300	550	700	2000				
MYP53-951□□	855	950	988	1500		3100	580	735	2100				
MYP53-102□□	900	1000	1080	1650		2900	620	800	2200				
MYP53-112□□	990	1100	1180	1800		2700	680	860	2500				
MYP53-122□□	1080	1200	1320	2000		2400	750	970	2600				
MYP53-142□□	1260	1400	1520	2290		2100	880	1150	3000				
MYP53-162□□	1440	1600	1760	2700		1800	1000	1200	3200				

MYP 高能压敏电阻片系列

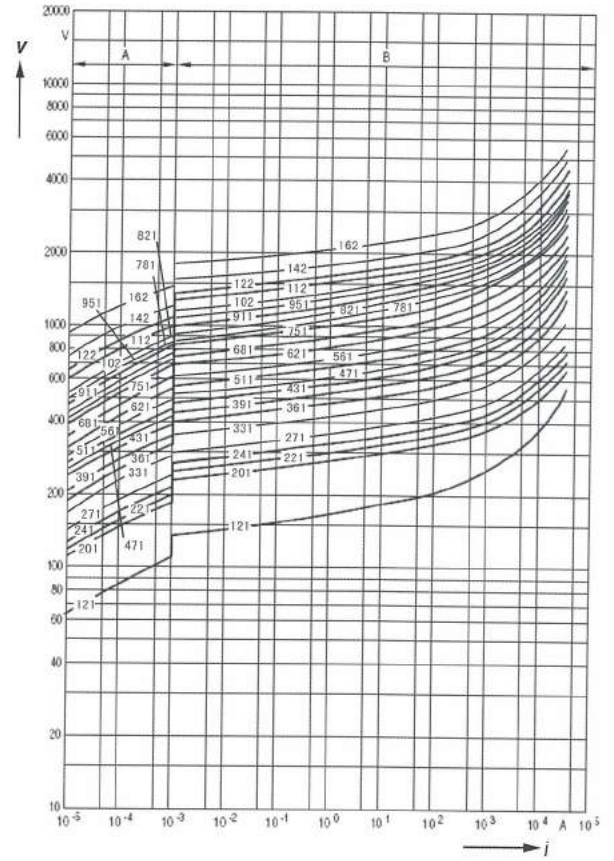
Transient V-I Characteristics Curves

瞬时伏安特性曲线

MYP32-121 □ □ ~ MYP32-162 □ □



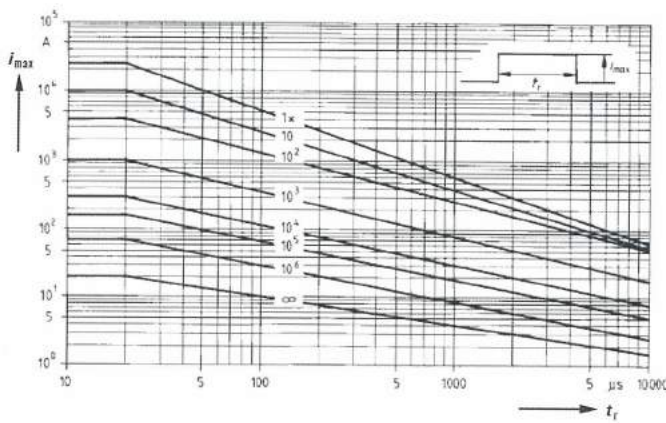
MYP34S-121 □ □ ~ MYP34S-162 □ □



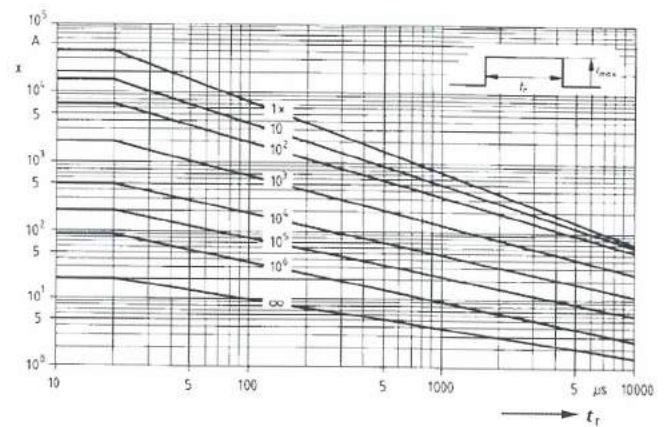
Pulse Rating Curves

脉冲寿命额定值曲线

MYP32-121 □ □ ~ MYP32-162 □ □



MYP34S-121 □ □ ~ MYP34S-162 □ □

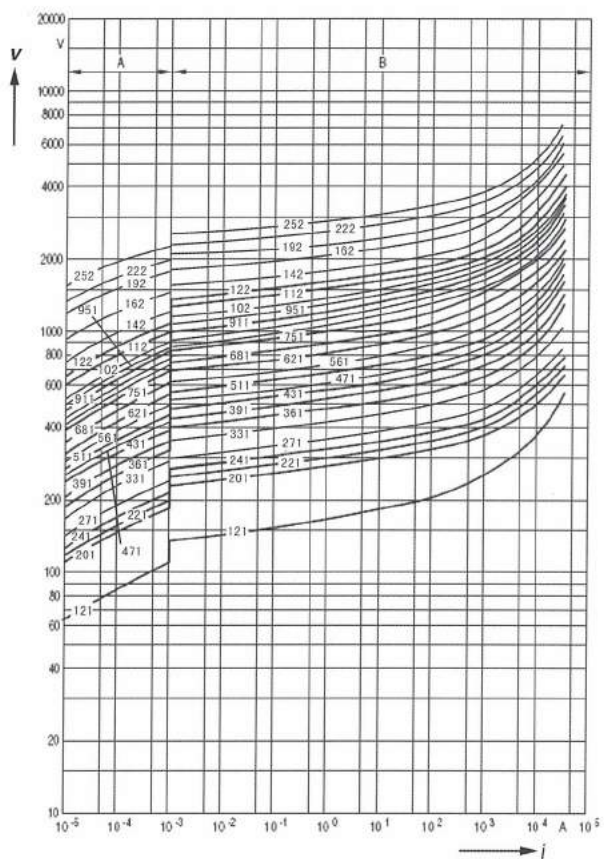


MYP HIGH ENERGY DISC VARISTOR SERIES

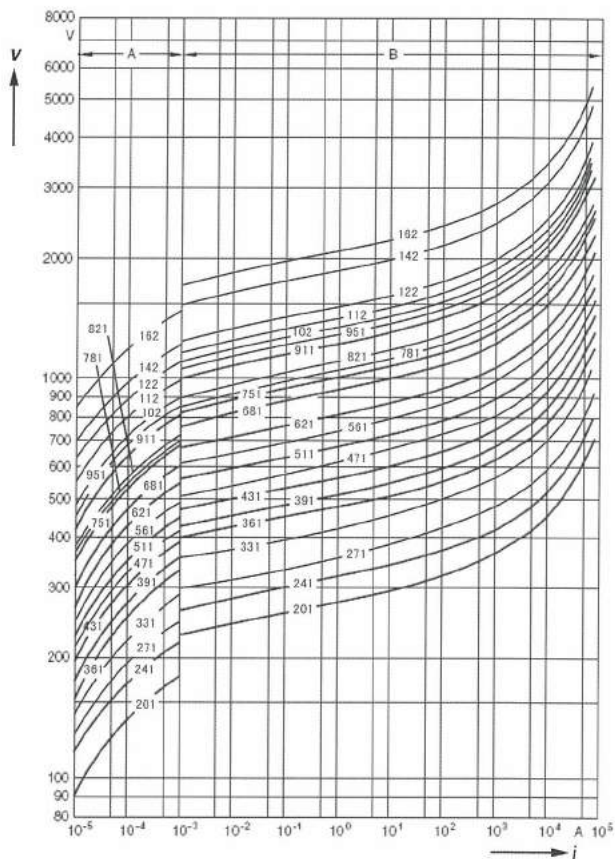
Transient V-I Characteristics Curves

瞬时伏安特性曲线

MYP40-201 □ □ ~ MYP40-162 □ □



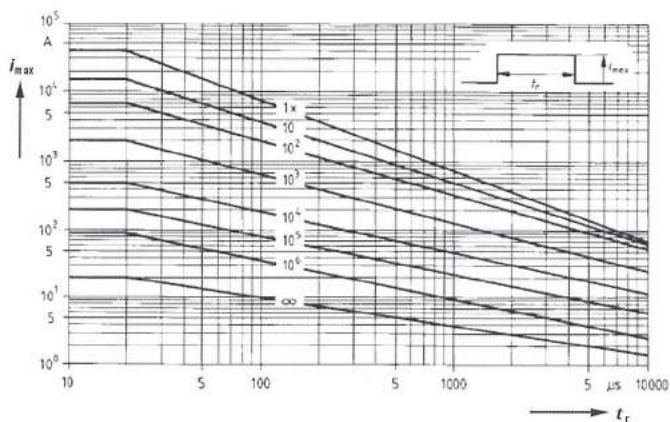
MYP53-201 □ □ ~ MYP53-162 □ □



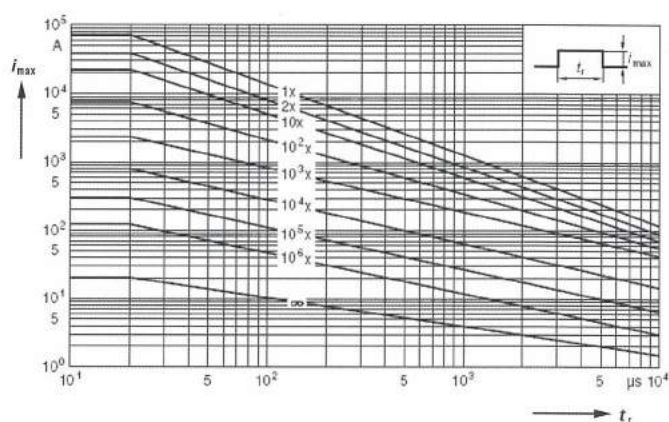
Pulse Rating Curves

脉冲寿命额定值曲线

MYP40-201 □ □ ~ MYP40-162 □ □

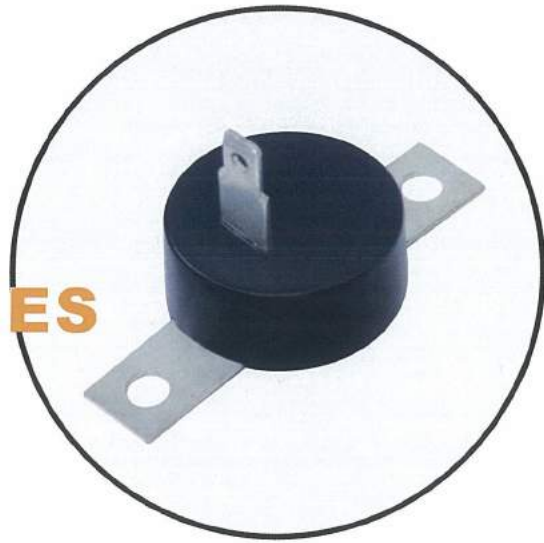


MYP53-201 □ □ ~ MYP53-162 □ □



PA SERIES

PA系列

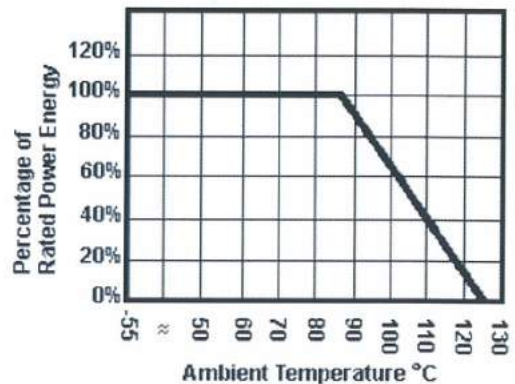


FEATURES

特点说明

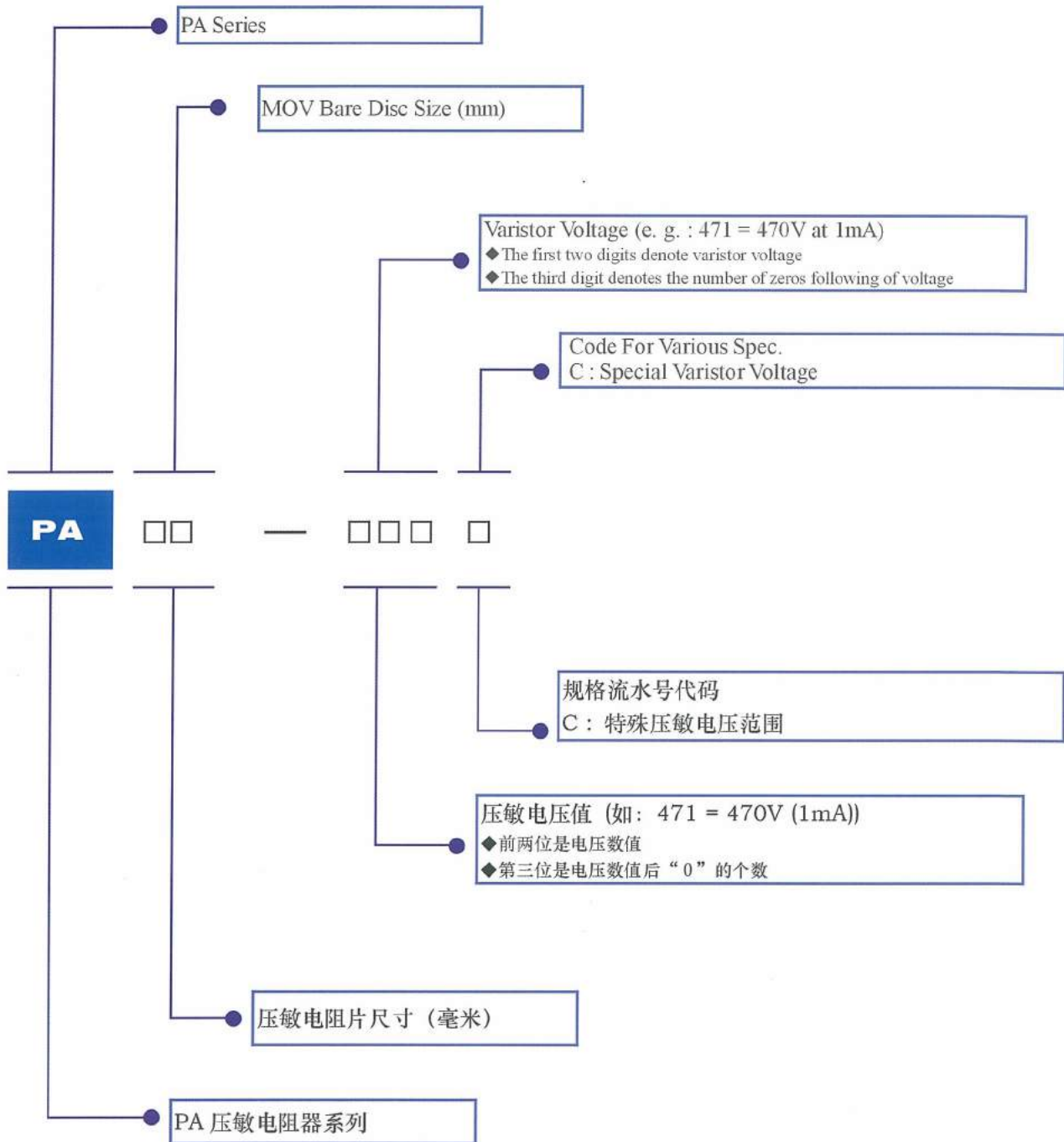
Steady State AC Voltage Range ($V_{M(AC)RMS}$)	稳压交流电压定值	50 V ~ 1000 V
High Peak Surge Current Rating (I_{TM}) 8/20 μ s Pulse	高峰值冲击电流值	10K A
Single-Pulse Energy Range (W_{TM}) 10/1000 μ s Square Wave	单次脉冲能量	56 J ~ 860 J
Average Power dissipation of transients	瞬间平均功率	< 1.00 W
Operating Temperature Range	工作温度	-55 $^{\circ}$ C ~ + 85 $^{\circ}$ C
Storage Temperature Range	贮存温度	-55 $^{\circ}$ C ~ + 125 $^{\circ}$ C
Hi-Pot Encapsulation (Isolation Voltage Capability)	绝缘耐压容量	2500 V_{DC}
Insulation Resistance	绝缘电阻	1000 M Ω
Maximum Voltage-Temperature Coefficient	最大电压温度系数	< 0.01%/ $^{\circ}$ C
Response time	响应时间	< 25ns

Temperature Derating Curve Power and Energy Rating vs. Temperature



KVR ITEM NUMBERING SYSTEM

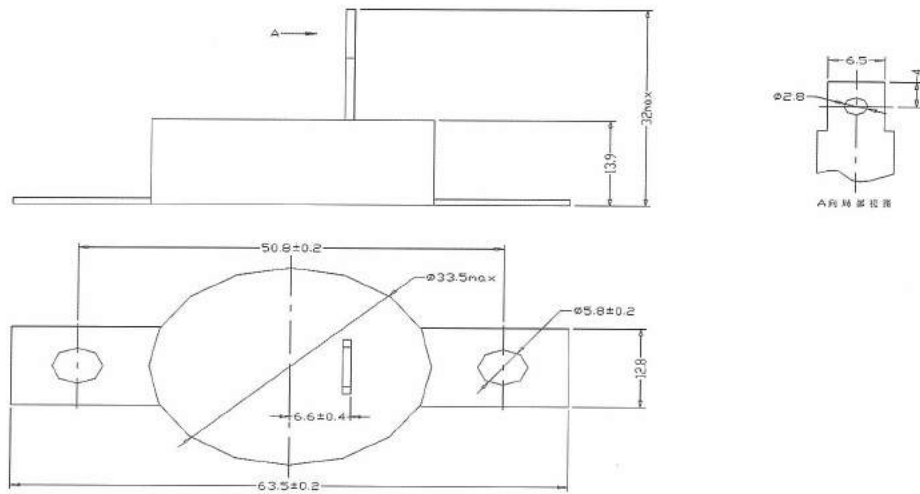
KVR 产品型号编码规则



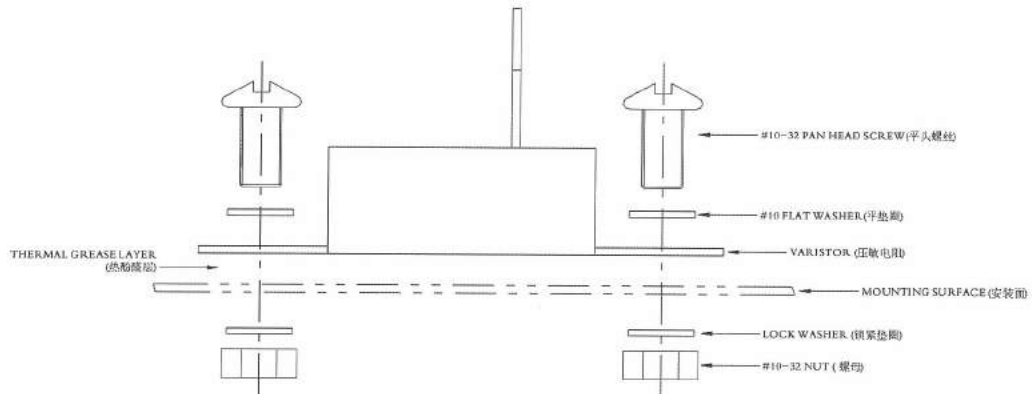
PA系列

DIMENSIONS

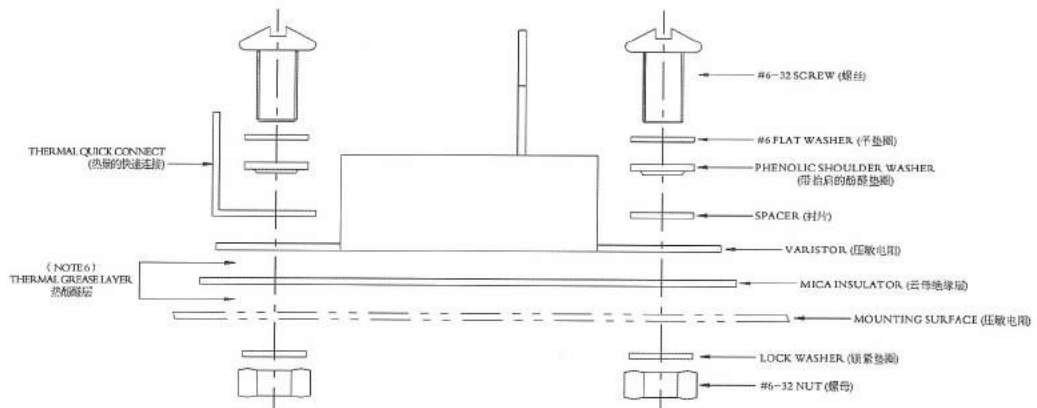
外型尺寸



TYPICAL NON-ISOLATED MOUNTING
典型非隔离安装



TYPICAL ISOLATED MOUNTING
典型隔离安装



ELECTRICAL CHARACTERISTICS

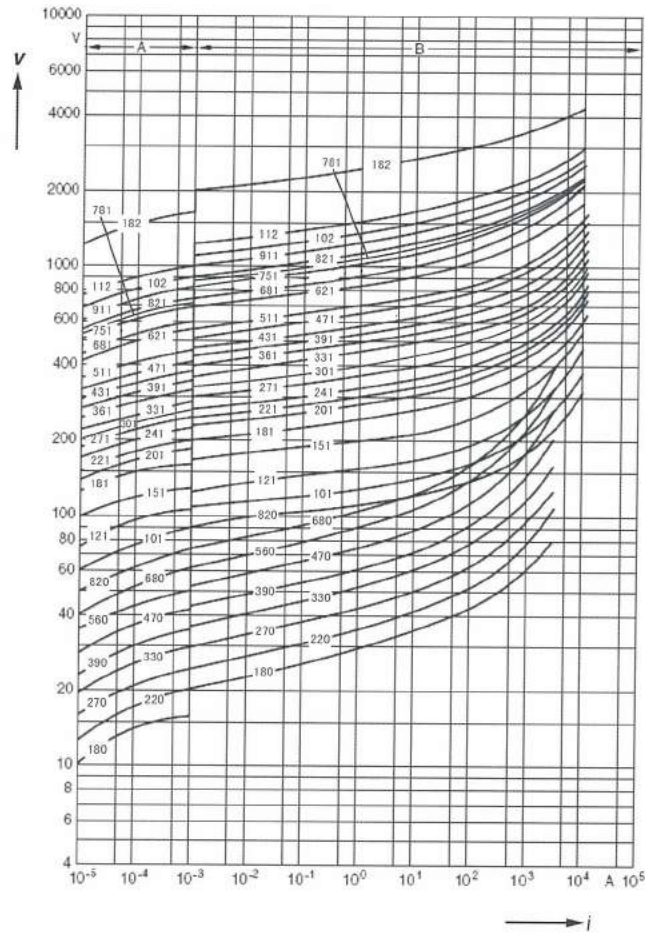
电性能参数

ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证				
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip下限制电压 (8/20μs)		Continuous Voltage 连续电压		Energy 能量 10/1000μS					Peak Current 峰值电流 (8/20μs)	
	Min (V)	V _{NDC} (V)	Max (V)	V _c (V)	I _p (A)	F=1KHz (pF)	V _{M(AC)} (V)	V _{M(DC)} (V)	W _{TM} (J)	I _{TM} (KA)	CE	VDE	RU	
PA20-820	74	82	90	140	100	8200	50	65	56	10				
PA20-101	90	100	110	165		8000	60	81	72					
PA20-121	108	120	132	200		5500	75	100	88					
PA20-151	135	150	165	250		4200	95	125	106					
PA20-181	163	180	198	300		2500	115	150	130					
PA20-201	185	200	225	340		2300	130	175	150					
PA20-201C			216	325										
PA20-221	198	220	242	360		2200	140	180	160					
PA20-221C			230	340										
PA20-241	216	240	264	395		2200	150	200	168					
PA20-241C			243	360										
PA20-271	255	270	303	455		2100	175	225	190					
PA20-271C			280	420										
PA20-301	276	300	330	500		1800	195	250	210					
PA20-301C			313	470										
PA20-331	297	330	363	550		1750	210	275	230					
PA20-331C			347	520										
PA20-361	326	360	396	595		1700	230	300	270					
PA20-361C			373	560										
PA20-391	354	390	432	650		1400	250	320	300					
PA20-391C			413	620										
PA20-431	389	430	473	710		1350	275	350	325					
PA20-431C			454	680										
PA20-471	425	470	517	775		1200	300	385	350					
PA20-471C			490	735										
PA20-511	462	510	561	850		1050	320	410	385					
PA20-511C			534	800										
PA20-561	509	560	610	915		850	350	460	390					
PA20-561C			580	870										
PA20-621	558	620	682	1025		570	385	505	410					
PA20-621C			650	975										
PA20-681	612	680	746	1120	550	420	560	430						
PA20-681C			713	1070										
PA20-751	675	750	825	1240	530	460	615	450						
PA20-751C			780	1170										
PA20-821	738	820	900	1355	530	510	670	470						
PA20-821C			856	1280										
PA20-911	819	910	1000	1500	4800	550	745	510						
PA20-911C			935	1400										
PA20-102	900	1000	1100	1650	480	625	800	565						
PA20-102C			1040	1550										
PA20-112	990	1100	1210	1815	400	680	860	620						
PA20-112C			1110	1650										
PA20-122	1080	1200	1320	2000	340	750	970	670						
PA20-122C			1215	1820										
PA20-142	1260	1400	1540	2310	300	880	1150	720						
PA20-142C			1470	2200										
PA20-162	1440	1600	1760	2700	260	1000	1200	860						
PA20-162C			1670	2500										

Transient V-I Characteristics Curves

瞬时伏安特性曲线

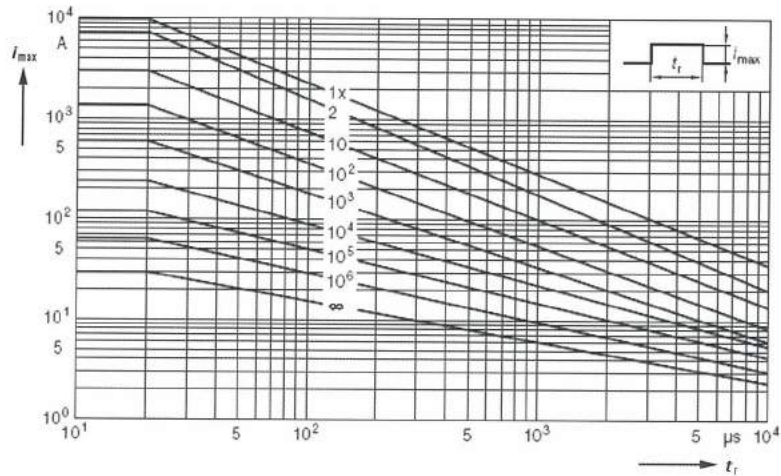
PA20-820□ ~ PA20-162□



Pulse Rating Curves

脉冲寿命额定值曲线

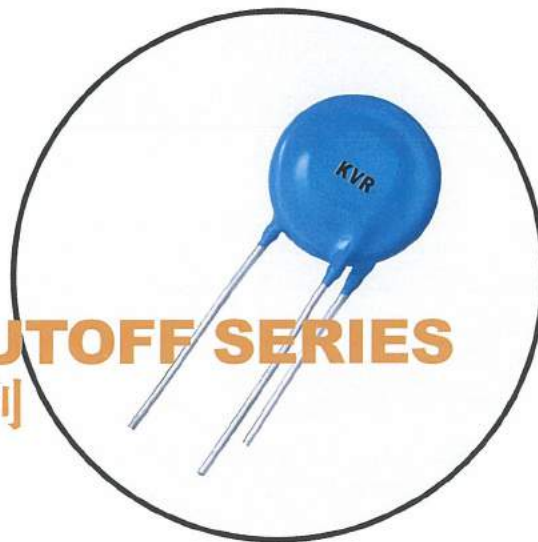
PA20-820□ ~ PA20-162□



PA SERIES

TMOV THERMO CUTOFF SERIES

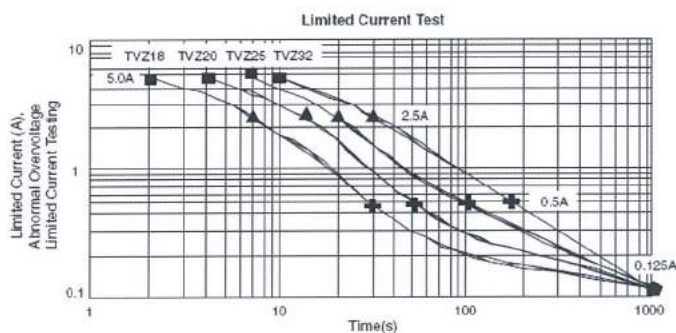
TMOV带温度保险管系列



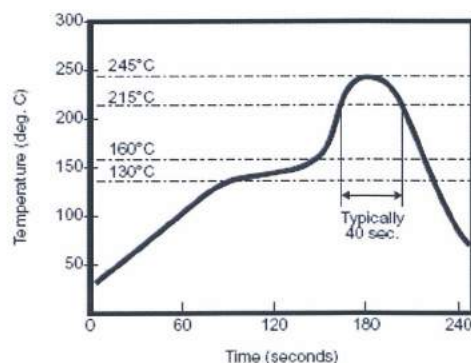
FEATURES

特点说明

Steady State AC Voltage Range ($V_{M(AC)RMS}$)	稳压交流电压定值	50 V ~ 1000 V
High Peak Surge Current Rating (I_{TM}) 8/20 μ s Pulse	高峰值冲击电流值	10K A ~ 40K A
Single-Pulse Energy Range (W_{TM}) 10/1000 μ s Square Wave	单次脉冲能量	56 J ~ 1400 J
Operating Temperature Range	工作温度	-55°C ~ +85°C
Storage Temperature Range	贮存温度	-55°C ~ +85°C
Hi-Pot Encapsulation (Isolation Voltage Capability)	绝缘耐压容量	2500 V _{DC}
Isolation Capability (When thermal element is open)	绝缘耐压(温度保险管工作时)	600 V _{DC}
Insulation Resistance	绝缘电阻	> 1000 M Ω
Maximum Voltage-Temperature Coefficient	最大电压温度系数	< 0.01% / °C
Response time	响应时间	< 15ns

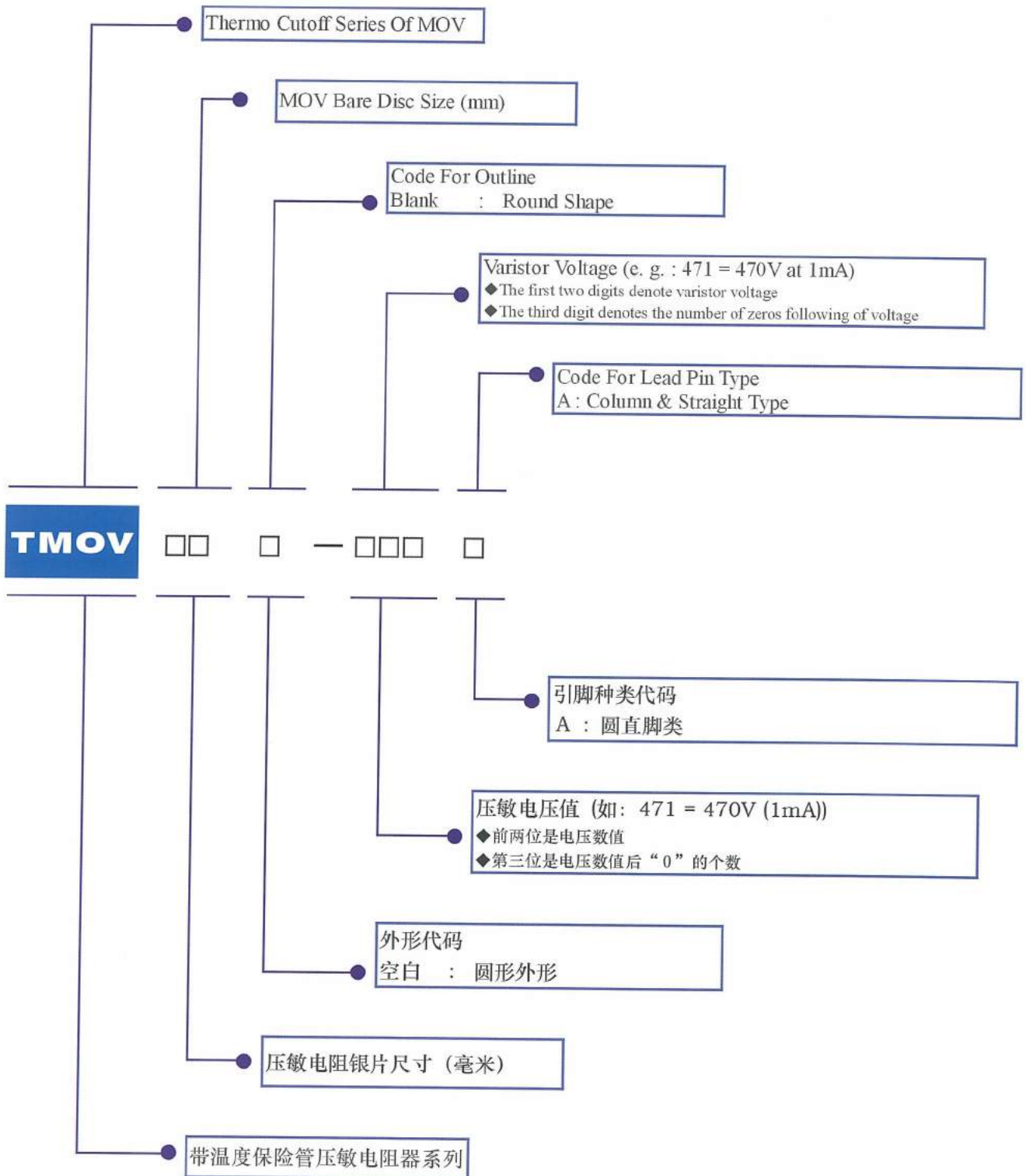


Soldering Profile



KVR ITEM NUMBERING SYSTEM

KVR 产品型号编码规则

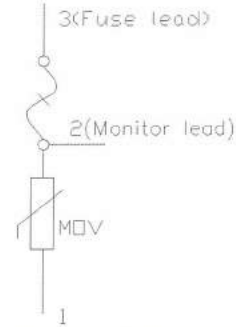
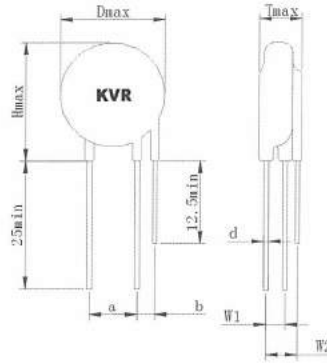


TMOV THERMO CUTOFF SERIES

DIMENSIONS

外型尺寸

TMOV20



Item No. 型号	T max. (mm)	W 1 max. (mm)	W 2 max. (mm)
- 8 2 0 A	7 6 0	1 8 0	3 3 0
- 1 0 1 A	7 6 0	1 8 0	3 3 0
- 1 2 1 A	7 6 0	1 9 0	3 4 0
- 1 5 1 A	7 6 0	1 9 0	3 4 0
- 1 8 1 A	7 6 0	1 8 0	3 4 0
- 2 0 1 A	7 9 0	2 0 0	3 6 0
- 2 2 1 A	8 1 0	2 1 0	3 7 0
- 2 4 1 A	8 2 0	2 2 0	3 8 0
- 2 7 1 A	8 3 0	2 3 0	3 9 0
- 3 0 1 A	8 4 0	2 3 0	4 1 0
- 3 3 1 A	8 5 0	2 7 0	4 3 0
- 3 6 1 A	8 6 0	2 8 0	4 4 0
- 3 9 1 A	8 7 0	3 0 0	4 6 0

Item No. 型号	T max. (mm)	W 1 max. (mm)	W 2 max. (mm)
- 4 3 1 A	8 8 0	3 2 0	4 8 0
- 4 7 1 A	9 1 0	3 4 0	5 1 0
- 5 1 1 A	9 5 0	3 6 0	5 4 0
- 5 6 1 A	9 7 0	3 8 0	5 6 0
- 6 2 1 A	1 0 1 0	4 1 0	5 9 0
- 6 8 1 A	1 0 4 0	4 4 0	6 2 0
- 7 5 1 A	1 0 7 0	4 7 0	6 6 0
- 7 8 1 A	1 0 9 0	4 9 0	6 8 0
- 8 2 1 A	1 1 0 0	5 1 0	7 0 0
- 9 1 1 A	1 1 3 0	5 5 0	7 3 0
- 1 0 2 A	1 2 0 0	6 0 0	8 0 0
- 1 1 2 A	1 2 2 0	6 5 0	8 6 0

ELECTRICAL CHARACTERISTICS 电性能参数

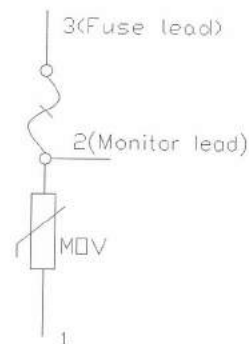
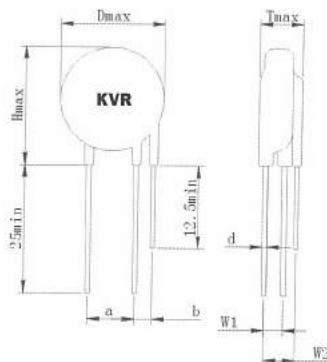
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证	
	Varistor Voltage (1mA DC) 压敏电压		@Ip Clamping Voltage 在Ip 下限制电压 (8/20μs)		Typical Capacitance 典型电容量	Continuous Voltage 连续电压		Energy 能量 10/1000μs	Peak Current 峰值电流 (8/20μs)		
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)		I _p (A)	V _{RMS}				V _{DC}
TMOV20-820A	74	82	90	135	100	8200	50	65	56	10	
TMOV20-101A	90	100	110	165		8000	60	85	70		
TMOV20-121A	108	120	132	200		5500	75	100	85		
TMOV20-151A	135	150	165	250		4200	95	125	106		
TMOV20-181A	162	180	198	300		2500	115	150	130		
TMOV20-201A	184	200	224	340		2300	130	175	140		
TMOV20-221A	198	220	242	360		2200	140	180	155		
TMOV20-241A	216	240	264	395		2200	150	200	168		
TMOV20-271A	248	270	300	455		2100	175	225	190		
TMOV20-301A	276	300	330	500		1800	195	250	216		
TMOV20-331A	297	330	363	550		1750	210	275	228		
TMOV20-361A	325	360	396	595		1700	230	300	255		
TMOV20-391A	354	390	429	650		1400	250	320	275		
TMOV20-431A	389	430	473	710		1350	275	350	303		
TMOV20-471A	425	470	517	775		1200	300	385	350		
TMOV20-511A	462	510	561	850		1050	320	410	385		
TMOV20-561A	504	560	610	915		850	350	460	400		
TMOV20-621A	558	620	682	1025		570	385	505	410		
TMOV20-681A	612	680	748	1120		550	420	560	430		
TMOV20-751A	675	750	825	1240		530	460	615	450		
TMOV20-821A	738	820	902	1355		530	510	670	470		
TMOV20-911A	819	910	1000	1500		480	550	745	510		
TMOV20-102A	900	1000	1100	1650		480	625	800	565		
TMOV20-112A	990	1100	1210	1815		400	680	860	620		

TMOV 带温度保险管系列

DIMENSIONS

外型尺寸

TMOV25



Item No. 型号	T max. (mm)	W 1 max. (mm)	W 2 max. (mm)
- 2 0 1 A	7.90	2.10	3.70
- 2 2 1 A	8.20	2.20	3.80
- 2 4 1 A	8.30	2.30	3.90
- 2 7 1 A	8.40	2.40	4.00
- 3 0 1 A	8.60	2.60	4.20
- 3 3 1 A	8.80	2.80	4.40
- 3 6 1 A	8.90	2.90	4.50
- 3 9 1 A	9.00	3.10	4.70
- 4 3 1 A	9.20	3.30	4.90
- 4 7 1 A	9.50	3.50	5.20

Item No. 型号	T max. (mm)	W 1 max. (mm)	W 2 max. (mm)
- 5 1 1 A	9.90	3.70	5.50
- 5 6 1 A	10.10	3.90	5.70
- 6 2 1 A	10.40	4.20	6.00
- 6 8 1 A	10.70	4.50	6.30
- 7 5 1 A	11.10	4.80	6.70
- 7 8 1 A	11.30	5.00	6.90
- 8 2 1 A	11.40	5.20	7.10
- 9 1 1 A	11.80	5.60	7.60
- 1 0 2 A	12.40	6.10	8.10
- 1 1 2 A	12.60	6.60	8.70

ELECTRICAL CHARACTERISTICS 电性能参数

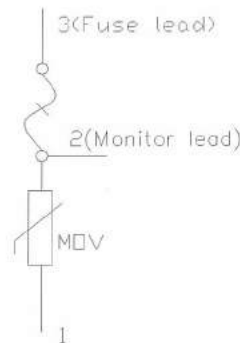
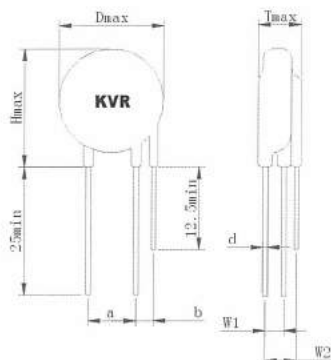
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证			
	Varistor Voltage (1mA DC) 压敏电压		@I _p Clamping Voltage 在I _p 下限制电压 (8/20 μs)		Typical Capacitance 典型电容量 F=1KHz (pF)	Continuous Voltage 连续电压		Energy 能量 10/1000 μs W _{TM} (J)	Peak Current 峰值电流 (8/20 μs) I _{TM} (KA)				
	Min (V)	V _{NDC} (V)	Max (V)	V _c (V)		I _p (A)	V _{RMS} (V)			V _{DC} (V)			
TMOV25-201A	184	200	224	340	150	3700	130	175	170	15	CE	VDE	UL
TMOV25-221A	198	220	242	360		3400	140	180	180				
TMOV25-241A	216	240	259	395		3100	150	200	190				
TMOV25-271A	255	270	297	455		2600	180	230	200				
TMOV25-331A	297	330	363	545		2200	210	270	250				
TMOV25-361A	326	360	396	595		2100	230	300	280				
TMOV25-391A	354	390	432	650		1900	250	330	310				
TMOV25-431A	389	430	466	710		1800	275	360	340				
TMOV25-471A	425	470	517	790		1600	300	390	360				
TMOV25-511A	462	510	558	850		1500	320	420	420				
TMOV25-561A	522	560	630	950		1300	360	470	440				
TMOV25-621A	558	620	682	1025		1200	390	505	460				
TMOV25-681A	612	680	748	1120		1100	420	560	480				
TMOV25-751A	675	750	825	1240		1000	460	615	500				
TMOV25-781A	702	780	858	1300		990	480	640	510				
TMOV25-821A	738	820	900	1350		930	510	675	525				
TMOV25-911A	819	910	933	1400		860	550	700	540				
TMOV25-951A	855	950	1000	1500		820	580	735	560				
TMOV25-102A	900	1000	1100	1650		760	620	800	600				
TMOV25-112A	990	1100	1200	1800		690	680	860	655				

TMOV THERMO CUTOFF SERIES

DIMENSIONS

外型尺寸

TMOV32



Item No. 型号	T max. (mm)	W 1 max. (mm)	W 2 max. (mm)
- 2 0 1 A	7.90	2.60	4.10
- 2 2 1 A	8.20	2.70	4.20
- 2 4 1 A	8.30	2.80	4.30
- 2 7 1 A	8.50	2.90	4.40
- 3 0 1 A	9.00	3.30	4.80
- 3 3 1 A	9.00	3.30	4.80
- 3 6 1 A	9.00	3.50	5.00
- 3 9 1 A	9.00	3.60	5.10
- 4 3 1 A	9.20	3.80	5.30
- 4 7 1 A	9.70	4.00	5.50

Item No. 型号	T max. (mm)	W 1 max. (mm)	W 2 max. (mm)
- 5 1 1 A	9.90	4.30	5.80
- 5 6 1 A	10.30	4.90	6.40
- 6 2 1 A	10.40	4.90	6.40
- 6 8 1 A	10.70	5.10	6.60
- 7 5 1 A	11.10	5.50	7.00
- 7 8 1 A	11.30	5.70	7.20
- 8 2 1 A	11.40	6.00	7.50
- 9 1 1 A	11.80	6.50	8.00
- 1 0 2 A	12.40	7.00	8.50
- 1 1 2 A	12.60	7.50	9.00

ELECTRICAL CHARACTERISTICS 电性能参数

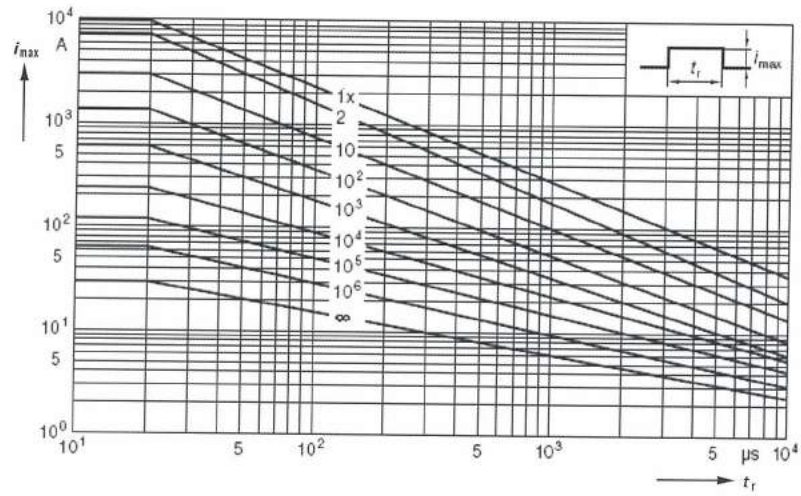
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格					MAXIMUM RATING (85°C) 最大额定值				CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压		@Ip Clamping Voltage 在Ip 下限制电压 (8/20μs)			Continuous Voltage 连续电压		Energy 能量 10/1000μs	Peak Current 峰值电流 (8/20μs)			
	Min (V)	V _{N(DC)} (V)	Max (V)	V _c (V)	I _p (A)	F=1KHz (pF)	V _{RMS}					
TMOV32-201A	184	200	224	340	200	4100	130	175	210	25		
TMOV32-221A	198	220	242	360		3700	140	180	225			
TMOV32-241A	216	240	259	395		3400	150	200	240			
TMOV32-271A	255	270	297	455		2900	180	230	250			
TMOV32-331A	297	330	363	550		2600	210	270	270			
TMOV32-361A	326	360	396	595		2300	230	300	300			
TMOV32-391A	354	390	429	650		2100	250	330	330			
TMOV32-431A	389	430	466	710		2000	275	360	360			
TMOV32-471A	425	470	517	790		1700	300	390	380			
TMOV32-511A	462	510	558	850		1600	320	420	430			
TMOV32-561A	522	560	616	950		1400	360	470	490			
TMOV32-621A	558	620	674	1025		1300	390	505	550			
TMOV32-681A	612	680	736	1120		1300	420	560	600			
TMOV32-751A	675	750	825	1240		1100	460	615	520			
TMOV32-781A	702	780	858	1300		1100	480	640	550			
TMOV32-821A	738	820	900	1350		1000	510	675	580			
TMOV32-911A	819	910	933	1400		950	550	700	620			
TMOV32-951A	855	950	1000	1500		900	580	735	650			
TMOV32-102A	900	1000	1080	1650		840	620	800	680			
TMOV32-112A	990	1100	1180	1800		770	680	860	760			

TMOV 带温度保险管系列

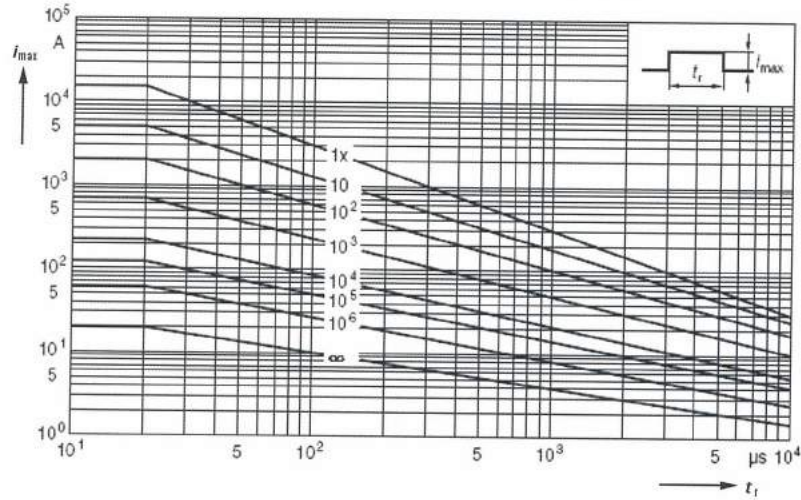
Pulse Rating Curves

脉冲寿命减额曲线

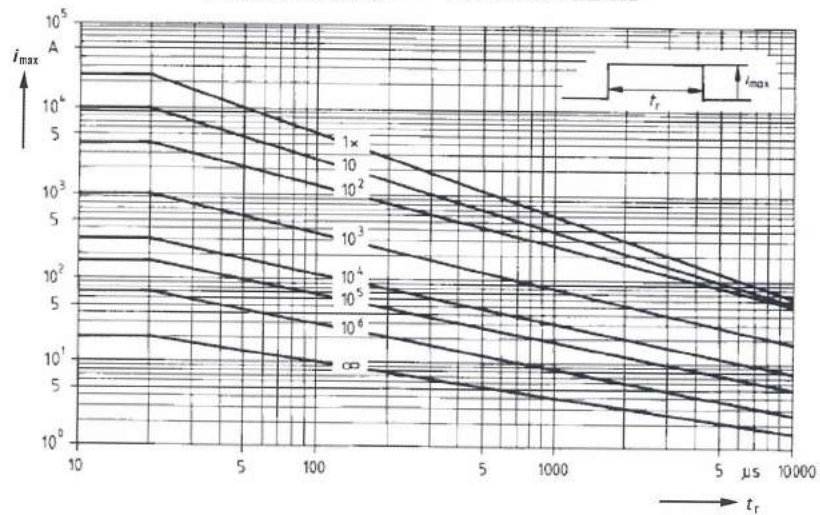
TMOV20-820A ~ TMOV20-112A



TMOV25-201A ~ TMOV25-122A



TMOV32-201A ~ TMOV32-112A



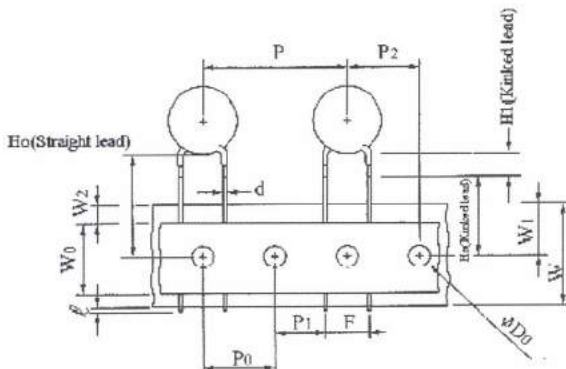
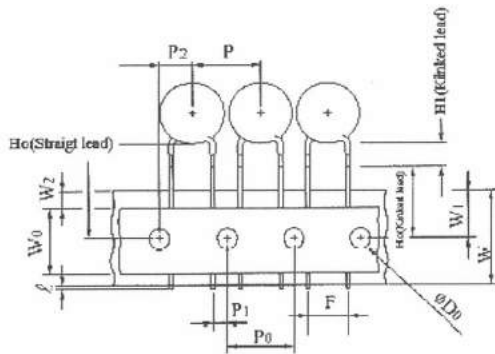
TMOV THERMO CUTOFF SERIES

OTHER 其它



Tape and Reel Packing is available. Please visit our web site for more information.

可按客户要求提供卷带式包装方式，详细资料可浏览我司之网站。



RELIABILITY TEST CONDITION

可靠性测试条件

ELECTRICAL

Characteristics		Test Methods/ Description	Specifications						
Standard Test Condition		Environmental conditions under which every measuring is done without doubt on the measuring results. Unless specially specified, temperature, relative humidity are 5 to 35°C , 45 to 85%RH.	-----						
Maximum Allowable Voltage		The maximum sinusoidal RMS voltage or maximum DC voltage that can be applied continuously in the specified environmental temperature range.	To Meet The Specified Value						
Clamping Voltage		The maximum voltage between two terminals with the specified standard impulse current (8/20 μs) illustrated below applied.							
Maximum Energy		The maximum energy within the varistor voltage change of ±10% when one impulse of 2 ms or 10/1000μs is applied.							
Maximum Peak Current	2 times	The maximum current within the varistor voltage change of ± 10% with the standard impulse current (8/20μs)applied two times with an interval of 5 minutes.							
Withstanding Surge Current	1 times	The maximum current within the varistor voltage change of 10% with the standard impulse current (8/20 μs) applied one times.							
Temperature Coefficient of Varistor Voltage		$\frac{V_C \text{ at } 85^\circ\text{C} - V_C \text{ at } 25^\circ\text{C}}{V_C \text{ at } 25^\circ\text{C}} \times \frac{1}{60} \times 100(\%/^\circ\text{C})$	-0.05%/°C Max.						
Withstanding Voltage (Body Insulation)		<p>The specified voltage shall be applied both terminals of the specimen connected together and metal foil closely wrapped round its body for 1miunte.Electrical breakdown shall be examined.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Classification (Nominal varistor voltage)</th> <th>Test Voltage (Ac)</th> </tr> </thead> <tbody> <tr> <td>$V_{0.1mA} V_{1mA} \leq 330V$</td> <td>1000Vrms</td> </tr> <tr> <td>$V_{0.1mA} V_{1mA} > 330V$</td> <td>1500Vrms</td> </tr> </tbody> </table>	Classification (Nominal varistor voltage)	Test Voltage (Ac)	$V_{0.1mA} V_{1mA} \leq 330V$	1000Vrms	$V_{0.1mA} V_{1mA} > 330V$	1500Vrms	No Breakdown
Classification (Nominal varistor voltage)	Test Voltage (Ac)								
$V_{0.1mA} V_{1mA} \leq 330V$	1000Vrms								
$V_{0.1mA} V_{1mA} > 330V$	1500Vrms								
Impulse Life		The change of Vc shall be measured after the impulse current listed below is applied 10000 or 100000 times continuously with the interval of 10 seconds at room temperature.(impulse current see impulse life time rating curves.)	$V_{c1A} / V_{c1A} \leq \pm 10\%$						

Note: Varistor voltage change of forward direction shall be measured in the test of uni-pole surge life and DC load life.

OTHER

RELIABILITY TEST CONDITION

可靠性测试条件

MECHANICAL

Characteristics	Test Methods	Specifications						
Robustness of Terminations (Tensile)	<p>After gradually applying the force specified below and keeping the unit fixed for the seconds, the terminal shall be visually examined for any damage.</p> <table border="1"> <thead> <tr> <th>Terminal diameter</th> <th>Force</th> </tr> </thead> <tbody> <tr> <td>$\phi 0.6\text{mm}$ $\phi 0.8\text{mm}$</td> <td>9.8N (1.0Kgf)</td> </tr> <tr> <td>$\phi 1.0\text{mm}$</td> <td>19.6N (2.0Kgf)</td> </tr> </tbody> </table>	Terminal diameter	Force	$\phi 0.6\text{mm}$ $\phi 0.8\text{mm}$	9.8N (1.0Kgf)	$\phi 1.0\text{mm}$	19.6N (2.0Kgf)	
Terminal diameter	Force							
$\phi 0.6\text{mm}$ $\phi 0.8\text{mm}$	9.8N (1.0Kgf)							
$\phi 1.0\text{mm}$	19.6N (2.0Kgf)							
Robustness of Terminations (Bending)	<p>The unit shall be secured with its terminal kept vertical and the force specified below be applied in the axial direction. The terminal shall gradually be bent by 90° in one direction, then 90° in the opposite direction, and again back to the original position. The damage of the terminal shall be visually examined.</p> <table border="1"> <thead> <tr> <th>Terminal diameter</th> <th>Force</th> </tr> </thead> <tbody> <tr> <td>$\phi 0.6\text{mm}$ $\phi 0.8\text{mm}$</td> <td>4.9N (0.5Kgf)</td> </tr> <tr> <td>$\phi 1.0\text{mm}$</td> <td>9.8N (1.0Kgf)</td> </tr> </tbody> </table>	Terminal diameter	Force	$\phi 0.6\text{mm}$ $\phi 0.8\text{mm}$	4.9N (0.5Kgf)	$\phi 1.0\text{mm}$	9.8N (1.0Kgf)	No Outstanding Damage
Terminal diameter	Force							
$\phi 0.6\text{mm}$ $\phi 0.8\text{mm}$	4.9N (0.5Kgf)							
$\phi 1.0\text{mm}$	9.8N (1.0Kgf)							
Vibration	<p>After rapidly applying a single harmonic vibration (amplitude:0.0.75mm) double amplitude: 1.5mm with 1 minute vibration frequency cycles (10Hz to 55Hz to 10Hz) to each of three perpendicular directions for 2 hours. Thereafter, the terminal shall be visually examined.</p>							
Solderadilty	<p>After dipping the terminals to a depth of approximately 3mm from the body in a soldering bath of $235 \pm 5^\circ\text{C}$ for 2 ± 0.5 seconds, the terminal shall be visually examined.</p>	Approximately 95% of the terminals shall be covered with solder uniformly						
Resistance to Soldering Heat	<p>After each lead shall be dipped into a older bath having a temperature $260 \pm 5^\circ\text{C}$ (3 series:$250 \pm 5^\circ\text{C}$) to a point 2.0 to 2.5mm from the body of the unit, using shielding board($t=1.5\text{mm}$),be held there for specified time (3 series:$3 \pm 1\text{s}$,5 series:$5 \pm 1\text{s}$ and others:$10 \pm 1\text{s}$) hen stored at room temperature and humidity for 1 to 2 hours. The change of Vc and mechanical damages are examined.</p>	$V_{\text{cmA}} / V_{\text{cmA}} \leq \pm 5\%$ No Outstanding Damage						

RELIABILITY TEST CONDITION

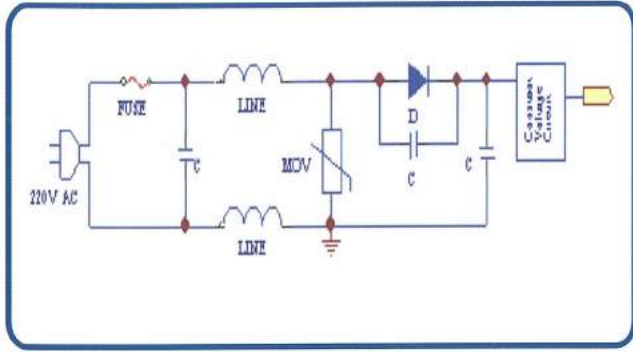
可靠性测试条件

ENVIRONMENTAL

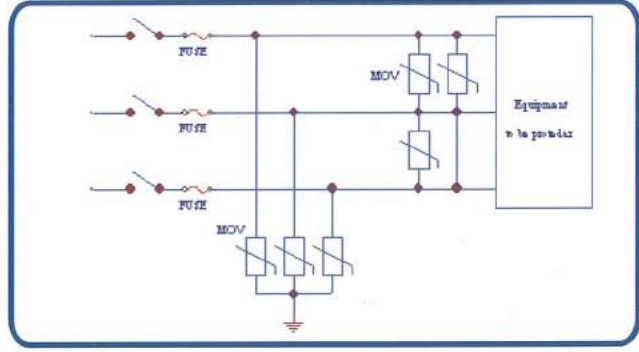
Characteristics	Test Methods	Specifications														
High Temperature Storage / Dry Heat	The specimen shall be subjected to $125 \pm 2^\circ\text{C}$ for 1000 hours in a thermostatic bath without load and then stored at room temperature and humidity for 1 to 2 hours. Thereafter, the change of V_c shall be measured.	$V_{cmA} / V_{cmA} \leq \pm 5\%$														
Damp Heat/ Humidity (Steady State)	The specimen shall be subjected to $40 \pm 2^\circ\text{C}$,90 to 95% RH for 1000 hours load and then stored at room temperature and humidity for one to two hours. Thereafter, the change of V_c shall be measured.															
Temperature Cycle	The temperature cycle shown below shall be repeated five times and then stored at room temperature and humidity for one to two hours. The change of V_c and mechanical damage shall be examined. <table border="1" data-bbox="586 1046 1150 1281"> <thead> <tr> <th>Step</th> <th>Temperature($^\circ\text{C}$)</th> <th>Period (minutes)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-40 ± 3</td> <td>30 ± 3</td> </tr> <tr> <td>2</td> <td>Room temperature</td> <td>15 ± 3</td> </tr> <tr> <td>3</td> <td>125 ± 3</td> <td>30 ± 3</td> </tr> <tr> <td>4</td> <td>Room temperature</td> <td>15 ± 3</td> </tr> </tbody> </table>		Step	Temperature($^\circ\text{C}$)	Period (minutes)	1	-40 ± 3	30 ± 3	2	Room temperature	15 ± 3	3	125 ± 3	30 ± 3	4	Room temperature
Step	Temperature($^\circ\text{C}$)	Period (minutes)														
1	-40 ± 3	30 ± 3														
2	Room temperature	15 ± 3														
3	125 ± 3	30 ± 3														
4	Room temperature	15 ± 3														
High Temperature Load/ Dry Heat Load	After being continuously applied the Maximum Allowable Voltage at $85 \pm 2^\circ\text{C}$ for 1000 hours. The specimen shall be stored at room temperature and humidity for one to two hours. Thereafter, the change of V_c shall be measured.	$V_{cmA} / V_{cmA} \leq \pm 10\%$														
Damp Heat Load/ Humidity Load	The specimen shall be subjected to $40 \pm 2^\circ\text{C}$,90 to 95% RH and the Maximum Allowable Voltage for 1000 hours and then stored at room temperature and humidity for one to two hours. Thereafter, the change of V_c shall be measured.	$V_{cmA} / V_{cmA} \leq \pm 10\%$														
Low Temperature Storage/ Cold	The specimen shall be subjected to $40 \pm 2^\circ\text{C}$, without load for 1000 hours and then stored at room temperature for one to two hours. Thereafter, the change of V_c shall be measured.	$V_{cmA} / V_{cmA} \leq \pm 5\%$														

RECOMMENDATORY CIRCUIT

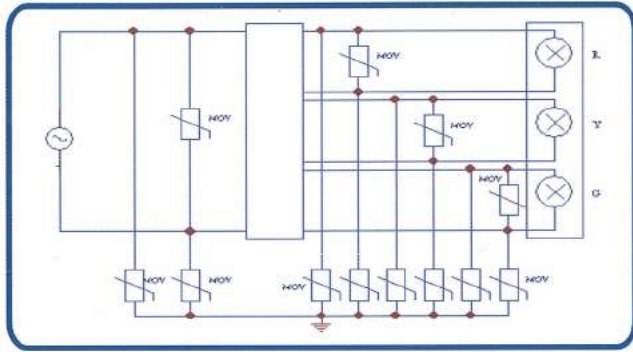
应用电路推荐



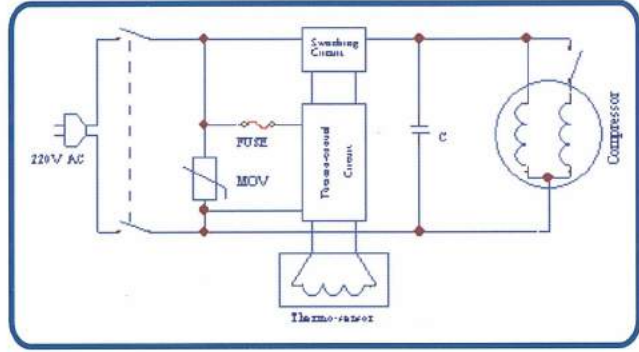
Portable Television
小型电视机



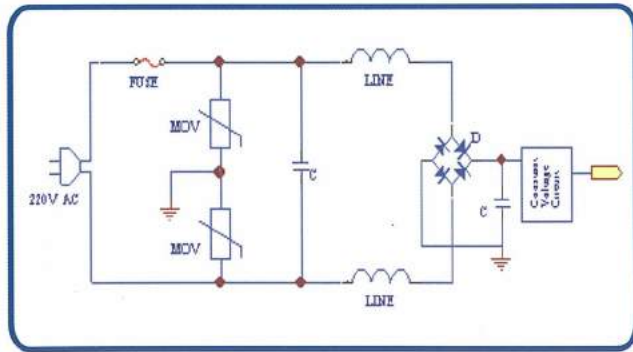
AC Three-Phases Circuit
AC 三相电路



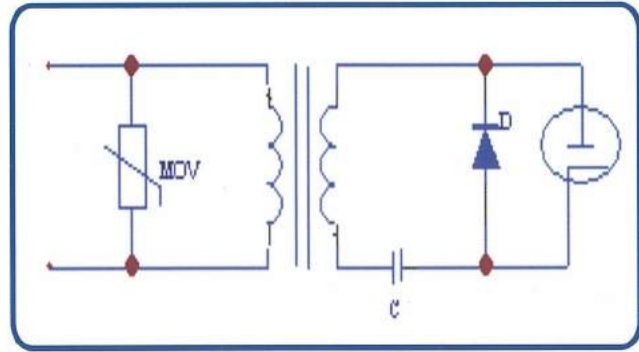
Traffic Signal Control
交通讯号控制



Air Conditioner
空调器



Console Television
大型电视机



Microwave
微波炉

其它

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