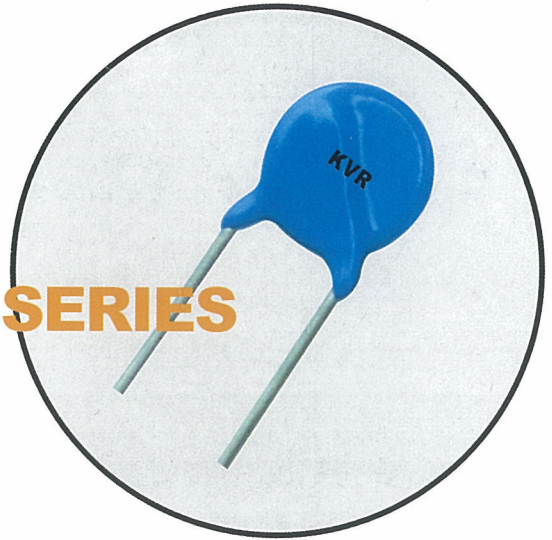


# MYG GENERAL SERIES

## MYG通用型系列



### FEATURES

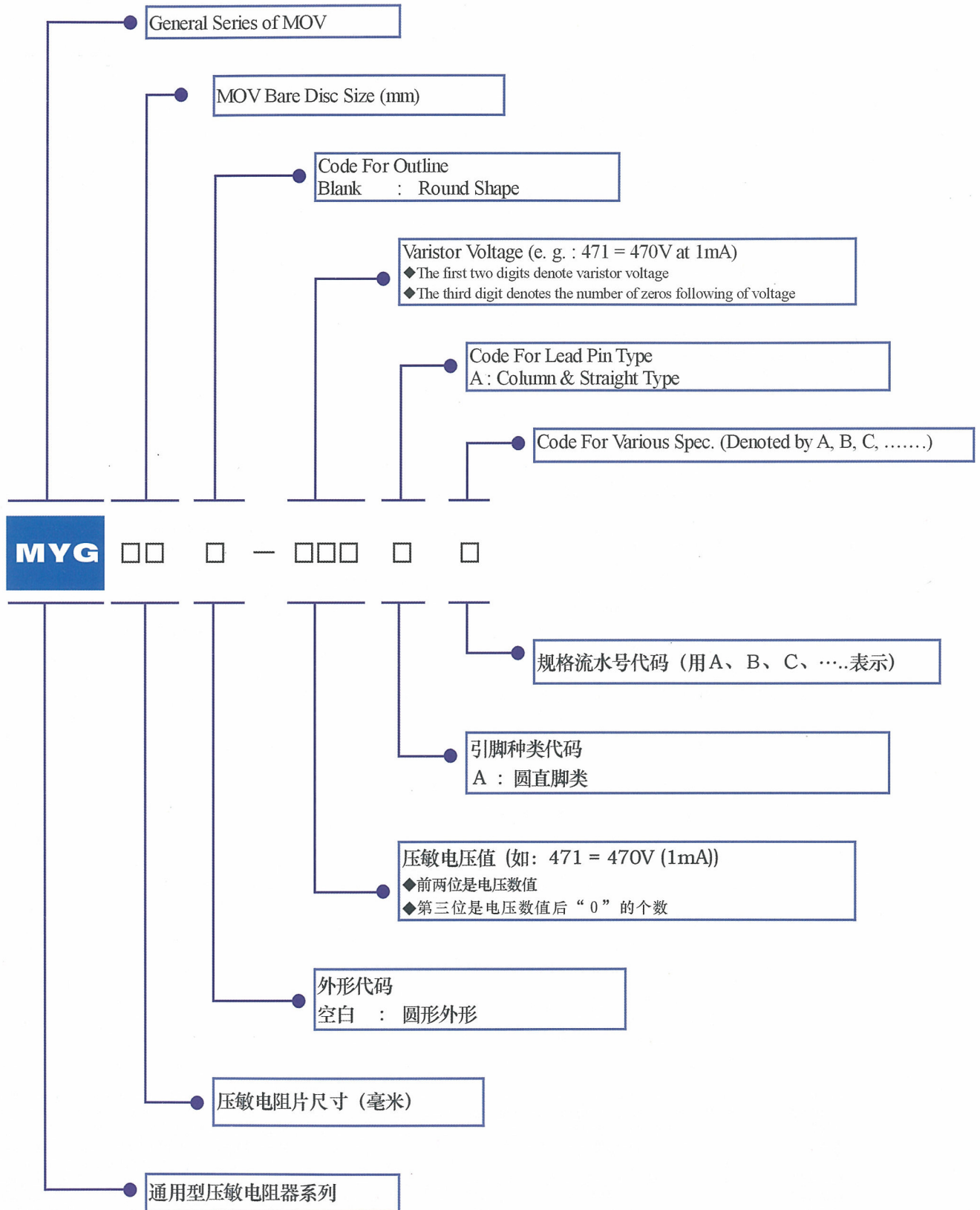
特点说明

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 $\mu$ 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 <sub>DC</sub>
Insulation Resistance	绝缘电阻	1000 M $\Omega$
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

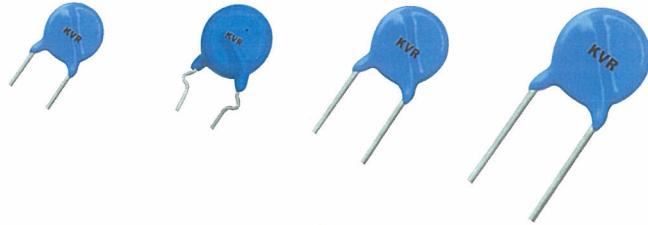
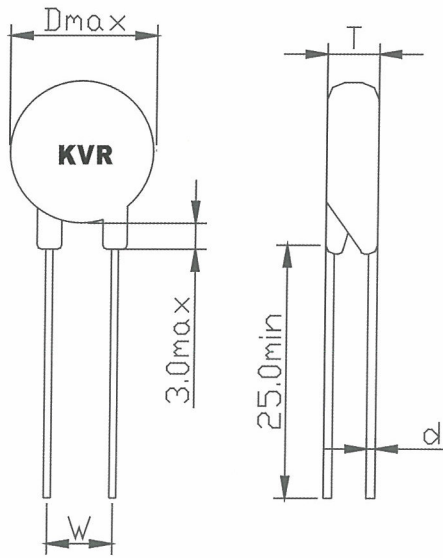
MYG GENERAL SERIES





### 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 <sub>NDC</sub> (V)	Max (V)	Vc (V)	Ip (A)	F= 1KHz (pF)	V <sub>RMS</sub>	V <sub>DC</sub>	W <sub>TM</sub>		I <sub>TM</sub> (A)			
							V <sub>M(AC)</sub> (V)	V <sub>M(DC)</sub> (V)	10/1000μS	2ms				
MYG05-180A MYG07-180A MYG10-180A MYG14-180A MYG20-180A	15.6	18	20.5	40 36 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 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 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 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 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 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	123 110 110 110 110	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	150 135 135 135 135	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	145 135 140 140 140	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	175 165 165 165 165	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			@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 <sub>N(DC)</sub> (V)	Max (V)	V <sub>c</sub> (V)	I <sub>p</sub> (A)	F=1KHz (pF)	V <sub>RMS</sub> (V)	V <sub>DC</sub> (V)	W <sub>TM</sub>		I <sub>TM</sub> (A)			
							V <sub>M(AC)</sub> (V)	V <sub>M(DC)</sub> (V)	10/1000μS	2ms				
MYG05-121A MYG07-121A MYG10-121A MYG14-121A MYG20-121A	108	120	132	210 200 200 200 200	5 10 25 50 100	270 530 1500 2500 5500	75	100	3.5 7.0 14.5 30 60	2.0 11 22 44 88	800 1750 3500 6000 10000	★ ★ ★ ★ ★		◆ ◆ ◆ ◆ ◆
MYG05-151A MYG07-151A MYG10-151A MYG14-151A MYG20-151A	135	150	165	260 250 250 250 250	5 10 25 50 100	240 410 1200 2100 4200	95	125	4.5 9.0 18 37.5 75	2.5 13 25 53 106	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲	◆ ◆ ◆ ◆ ◆
MYG05-181A MYG07-181A MYG10-181A MYG14-181A MYG20-181A	163	180	198	325 300 300 300 300	5 10 25 50 100	140 300 620 1250 2500	115	150	5.2 10.4 21 42 84	2.5 15 32 65 130	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲	◆ ◆ ◆ ◆ ◆
MYG05-201A MYG07-201A MYG10-201A MYG14-201A MYG20-201A	185	200	225	355 340 340 340 340	5 10 25 50 100	120 250 570 1150 2300	130	170	6.0 12.5 25 50 100	2.5 17.5 45 70 150	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲	◆ ◆ ◆ ◆ ◆
MYG05-221A MYG07-221A MYG10-221A MYG14-221A MYG20-221A	198	220	242	380 360 360 360 360	5 10 25 50 100	110 250 560 1100 2200	140	180	6.5 13.5 27.5 55 110	9 20 50 78 160	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲	◆ ◆ ◆ ◆ ◆
MYG05-241A MYG07-241A MYG10-241A MYG14-241A MYG20-241A	216	240	264	415 395 395 395 395	5 10 25 50 100	110 240 550 1050 2200	150	200	7.5 15 30 60 120	10.5 21 45 84 170	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲	◆ ◆ ◆ ◆ ◆
MYG05-271A MYG07-271A MYG10-271A MYG14-271A MYG20-271A	255	270	303	475 455 455 455 455	5 10 25 50 100	100 220 530 1000 2100	175	225	8 17 35 70 135	11 24 60 99 190	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲	◆ ◆ ◆ ◆ ◆
MYG05-301A MYG07-301A MYG10-301A MYG14-301A MYG20-301A	276	300	330	505 500 500 500 500	5 10 25 50 100	100 190 500 900 1800	195	250	8.8 18.5 38 78 148	12 26 53 108 216	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲	◆ ◆ ◆ ◆ ◆
MYG05-331A MYG07-331A MYG10-331A MYG14-331A MYG20-331A	297	330	363	600 550 550 550 550	5 10 25 50 100	90 180 450 850 1750	210	275	9.5 20 42 80 160	13 28 58 120 230	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲	◆ ◆ ◆ ◆ ◆
MYG05-361A MYG07-361A MYG10-361A MYG14-361A MYG20-361A	326	360	396	620 595 595 595 595	5 10 25 50 100	80 170 450 850 1700	230	300	11 23 45 90 180	16 32 65 135 270	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲	◆ ◆ ◆ ◆ ◆

MYG 通用型系列



### ELECTRICAL CHARACTERISTICS

电性能参数

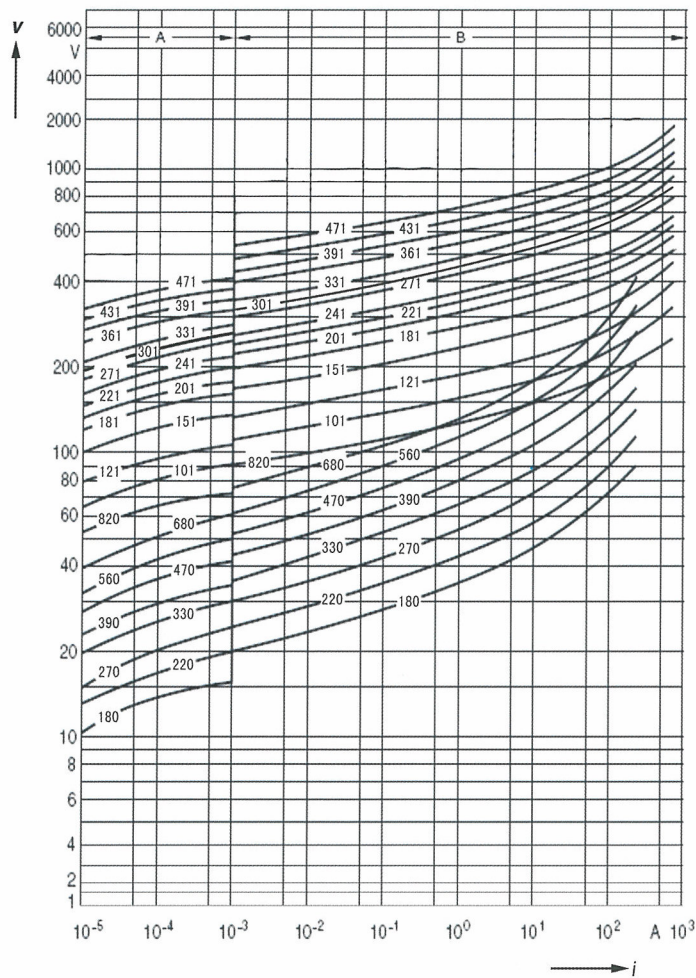
ITEM NO. 产品型号	SPECIFICATION (25°C) 规格						MAXIMUM RATING (85°C) 最大额定值					CERTIFICATION 安规认证		
	Varistor Voltage (1mA DC) 压敏电压			@Ip Clamping Voltage 在Ip下限制电压		Typical Capacitance 典型电容容量	Continuous Voltage 连续电压		Energy 能量 (J)		Peak Current 峰值电流 (8/20μs)	CE	VDE	UL
	Min (V)	V <sub>N(DC)</sub> (V)	Max (V)	Vc (V)	Ip (A)	F=1KHz (pF)	V <sub>RM(S)</sub> (V)	V <sub>M(DC)</sub> (V)	W <sub>TM</sub>		I <sub>TM</sub> (A)			
									10/1000μS	2ms				
MYG05-391A MYG07-391A MYG10-391A MYG14-391A MYG20-391A	354	<b>390</b>	432	675 650 650 650 650	5 10 25 50 100	80 160 430 800 1400	250	320	12 25 50 100 195	17 35 70 145 300	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲ ▲ ▲ ▲ ▲	◆ ◆ ◆ ◆ ◆
MYG05-431A MYG07-431A MYG10-431A MYG14-431A MYG20-431A	389	<b>430</b>	473	745 710 710 710 710	5 10 25 50 100	70 150 400 650 1350	275	350	13.5 27.5 55 110 215	20 40 80 160 325	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲ ▲ ▲ ▲ ▲	◆ ◆ ◆ ◆ ◆
MYG05-471A MYG07-471A MYG10-471A MYG14-471A MYG20-471A	425	<b>470</b>	517	810 775 775 775 775	5 10 25 50 100	70 130 300 550 1200	300	385	15 30 60 125 250	21 42 85 175 350	800 1750 3500 6000 10000	★ ★ ★ ★ ★	▲ ▲ ▲ ▲ ▲	◆ ◆ ◆ ◆ ◆
MYG07-511A MYG10-511A MYG14-511A MYG20-511A	459	<b>510</b>	561	845 845 845 845	10 25 50 100	120 260 450 1050	320	410	32 67 136 273	46 92 190 385	1750 3500 6000 10000	★ ★ ★ ★	▲ ▲ ▲ ▲	◆ ◆ ◆ ◆
MYG07-561A MYG10-561A MYG14-561A MYG20-561A	509	<b>560</b>	610	915 915 915 915	10 25 50 100	120 200 400 850	350	460	32 67 136 273	46 92 200 390	1750 3500 6000 10000	★ ★ ★ ★	▲ ▲ ▲ ▲	◆ ◆ ◆ ◆
MYG07-621A MYG10-621A MYG14-621A MYG20-621A	558	<b>620</b>	682	1025 1025 1025 1025	10 25 50 100	120 170 350 570	385	505	32 67 136 273	48 107 215 410	1750 3500 6000 10000	★ ★ ★ ★	▲ ▲ ▲ ▲	◆ ◆ ◆ ◆
MYG07-681A MYG10-681A MYG14-681A MYG20-681A	612	<b>680</b>	746	1120 1120 1120 1120	10 25 50 100	120 160 350 550	420	560	32 67 136 273	57 110 225 430	1750 3500 6000 10000	★ ★ ★ ★	▲ ▲ ▲ ▲	◆ ◆ ◆ ◆
MYG07-751A MYG10-751A MYG14-751A MYG20-751A	675	<b>750</b>	825	1240 1240 1240 1240	10 25 50 100	120 150 330 530	460	615	32 70 150 300	58 115 230 450	1750 3500 6000 10000	★ ★ ★ ★	▲ ▲ ▲ ▲	◆ ◆ ◆ ◆
MYG07-781A MYG10-781A MYG14-781A MYG20-781A	702	<b>780</b>	858	1290 1290 1290 1290	10 25 50 100	110 150 330 530	485	640	32 75 160 315	59 120 235 460	1750 3500 6000 10000	★ ★ ★ ★	▲ ▲ ▲ ▲	◆ ◆ ◆ ◆
MYG07-821A MYG10-821A MYG14-821A MYG20-821A	738	<b>820</b>	900	1355 1355 1355 1355	10 25 50 100	110 150 330 530	510	670	32 80 165 325	60 125 240 470	1750 3500 6000 10000	★ ★ ★ ★	▲ ▲ ▲ ▲	◆ ◆ ◆ ◆
MYG10-911A MYG14-911A MYG20-911A	819	<b>910</b>	1000	1500 1500 1500	25 50 100	140 300 480	550	745	90 180 360	130 255 510	3500 6000 10000	★ ★ ★	▲ ▲ ▲	◆ ◆ ◆
MYG10-102A MYG14-102A MYG20-102A	900	<b>1000</b>	1100	1650 1650 1650	25 50 100	140 300 480	625	825	100 200 400	145 290 565	3500 6000 10000	★ ★ ★	▲ ▲ ▲	◆ ◆ ◆
MYG10-112A MYG14-112A MYG20-112A	990	<b>1100</b>	1210	1815 1815 1815	25 50 100	130 200 400	680	895	110 220 440	155 310 620	3500 6000 10000	★ ★ ★	▲ ▲ ▲	◆ ◆ ◆
MYG10-182A MYG14-182A MYG20-182A	1620	<b>1800</b>	1980	2970 2970 2970	25 50 100	70 150 250	1000	1465	183 360 720	247 510 860	3500 6000 1000	★ ★ ★	▲ ▲ ▲	◆ ◆ ◆



Transient V-I Characteristics Curves

瞬时伏安特性曲线

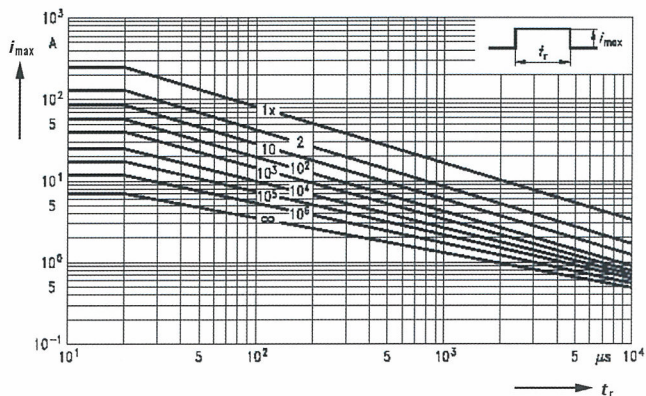
MYG05-180A ~ MYG05-471A



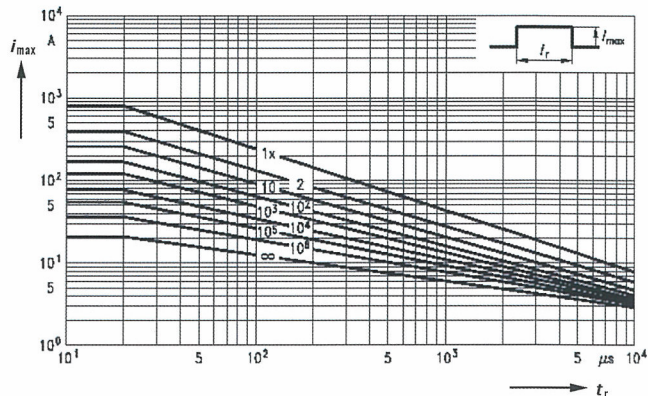
Pulse Rating Curves

脉冲寿命额定值曲线

MYG05-180A ~ MYG05-680A



MYG05-820A ~ MYG05-471A

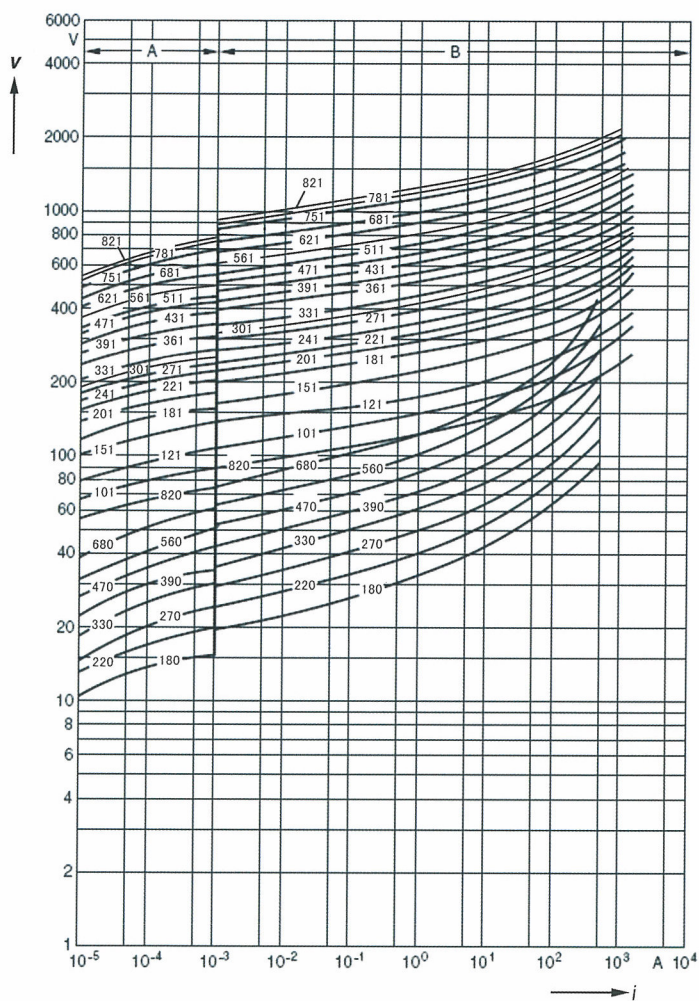




Transient V-I Characteristics Curves

瞬时伏安特性曲线

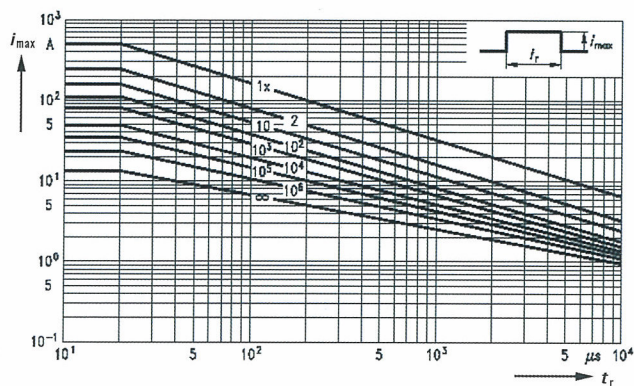
MYG07-180A ~ MYG07-821A



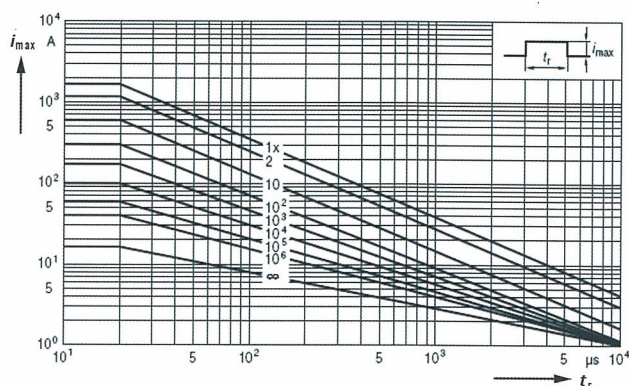
Pulse Rating Curves

脉冲寿命额定值曲线

MYG07-180A ~ MYG07-680A



MYG07-820A ~ MYG07-821A

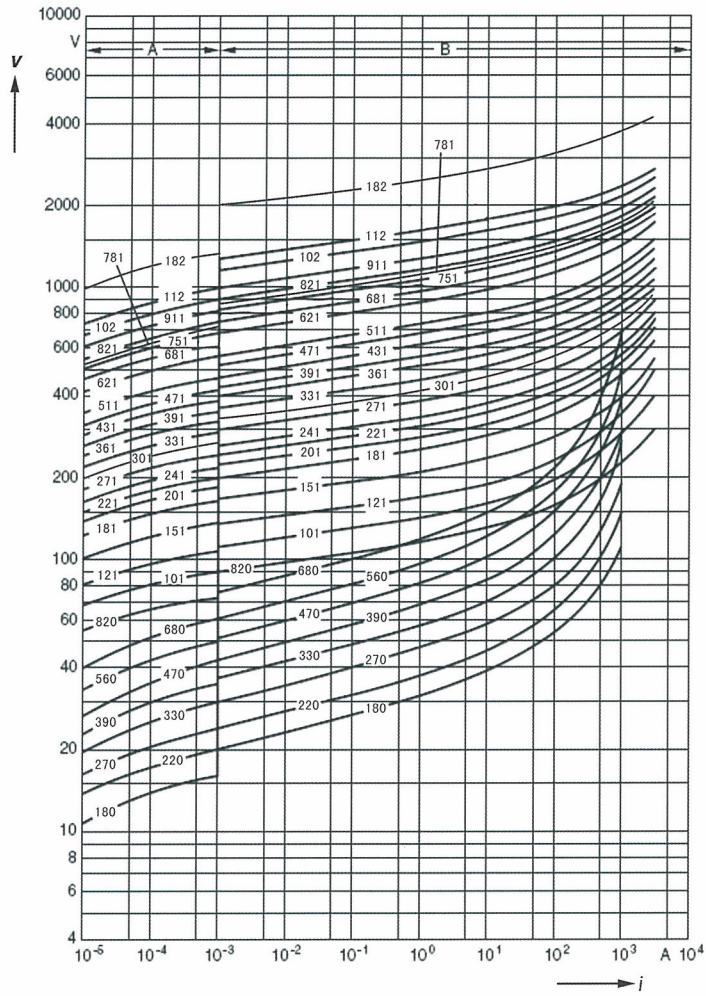




Transient V-I Characteristics Curves

瞬时伏安特性曲线

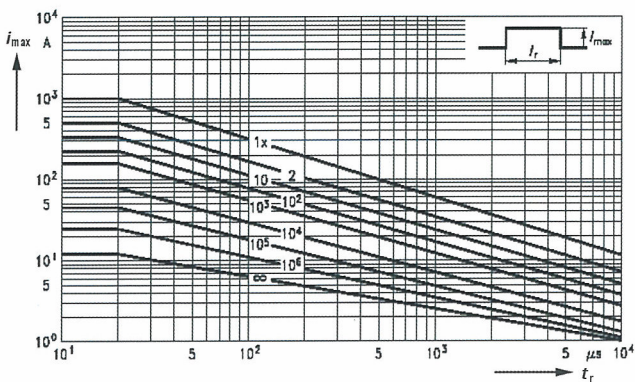
MYG10-180A ~ MYG10-182A



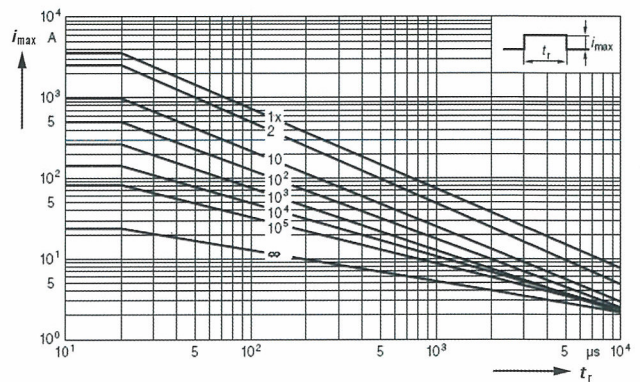
Pulse Rating Curves

脉冲寿命额定值曲线

MYG10-180A ~ MYG10-680A



MYG10-820A ~ MYG10-182A

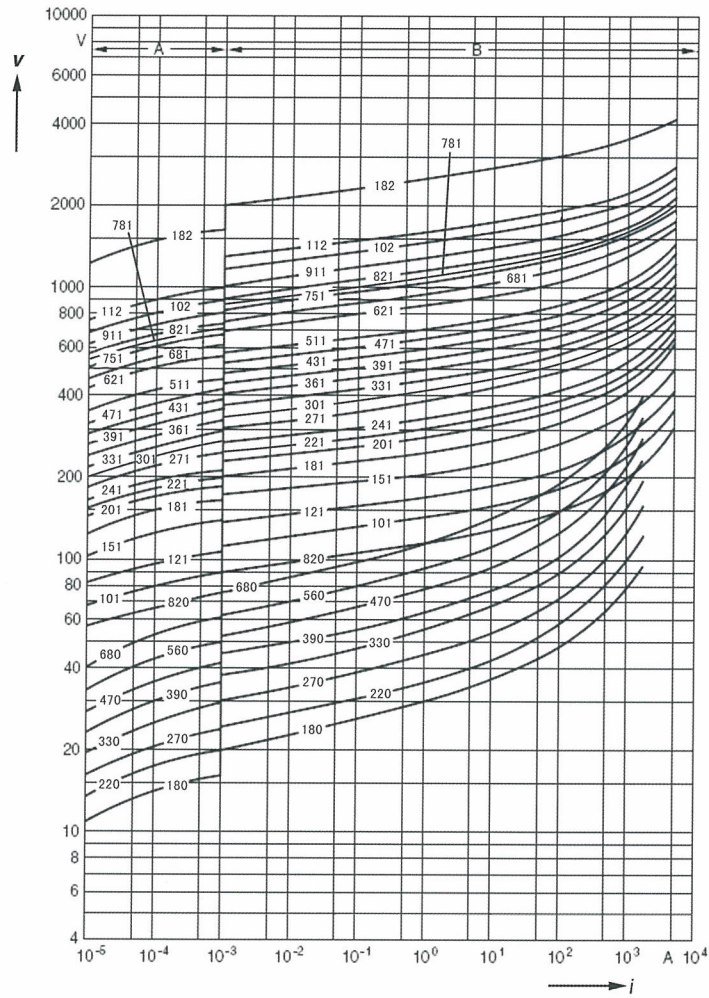




### Transient V-I Characteristics Curves

瞬时伏安特性曲线

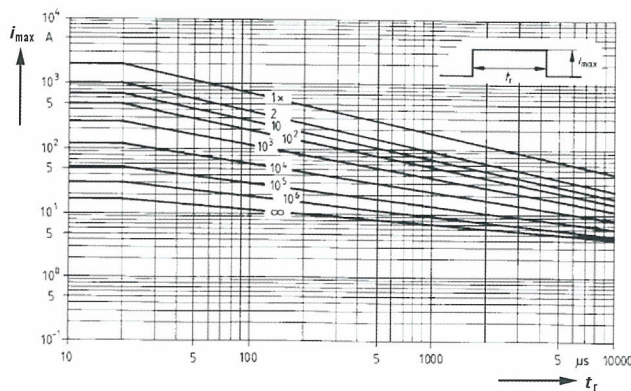
MYG14-180A ~ MYG14-182A



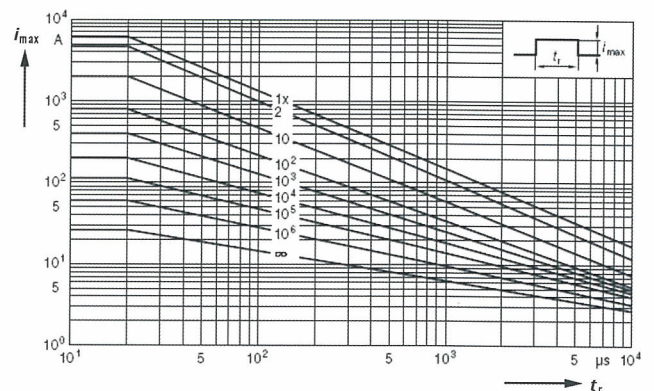
### Pulse Rating Curves

脉冲寿命额定值曲线

MYG14-180A ~ MYG14-680A



MYG14-820A ~ MYG14-182A

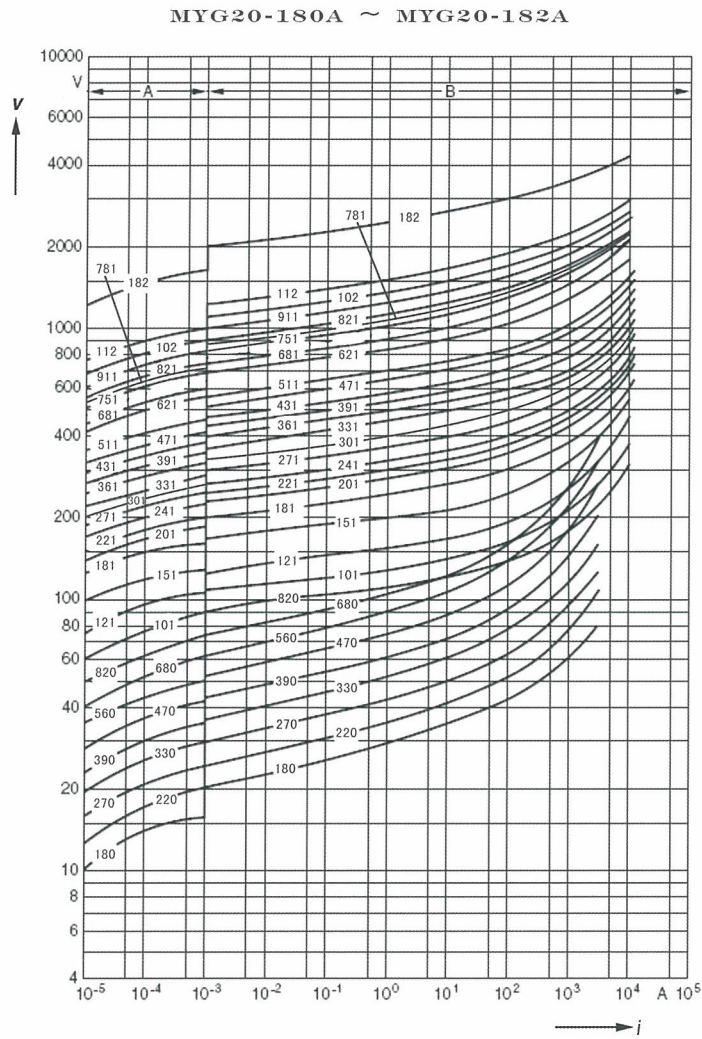


MYG GENERAL SERIES



Transient V-I Characteristics Curves

瞬时伏安特性曲线

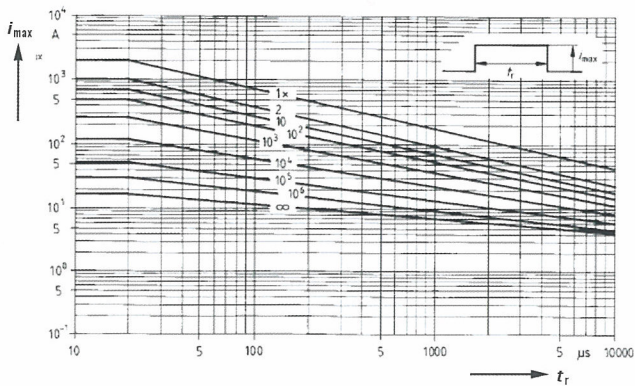


MYG通用型系列

Pulse Rating Curves

脉冲寿命额定值曲线

MYG20-180A ~ MYG20-680A



MYG20-820A ~ MYG20-182A

