

MYG系列 压敏电阻器

Series MYG Varistor

● 介绍 INTRODUCTION

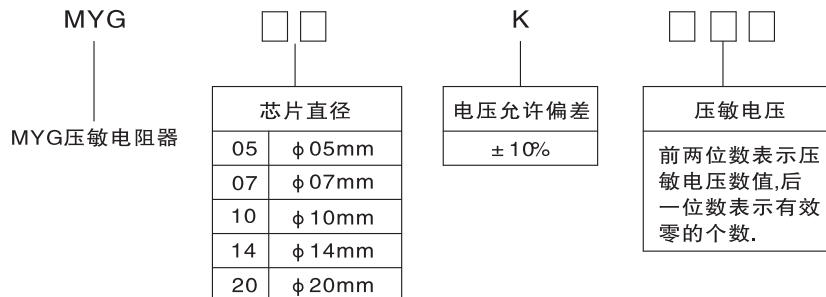
- ▶ MYG型压敏电阻器是以氧化锌为主要原料制造的半导体陶瓷元件，其电阻随施加电压的变化而呈非线性变化，具有体积小、通流量大等特点。

Type MYG Varistors are made of semiconductor ceramic materials composed mainly of zinc oxides. They have non-linear resistance that changes as a function of applied voltage. This type has smaller size yet relatively high current capacity.

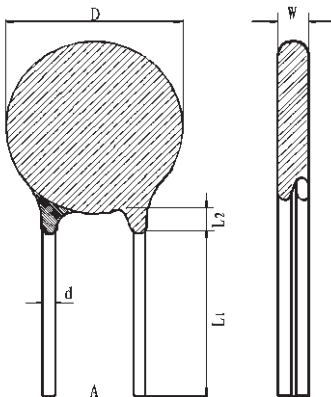
● 产品特点 FEATURES

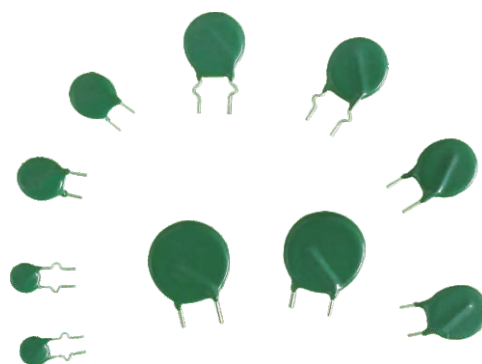
- ▶ 电压范围宽 (18V~1800V) Varistor voltage (18V~1800V)
- ▶ 非线性系数大 Excellent non-linearity voltage
- ▶ 通流容量大 Great withstanding surge current
- ▶ 响应时间快 (≤50纳秒) Fast response time (≤50ns)

● 命名方法 EXPLANATION OF PART NUMBERS



● 外形尺寸 DIMENSIONS

代号 Code Name	类型和尺寸Type and Dimensions					
	MYG-05	MYG-07	MYG-10	MYG-14	MYG-20	
D _{max} (180~271)	7.0	8.2	11.5	15.5	22.5	
D _{max} (331~471)	7.0	8.7	12.0	16.0	23.0	
D _{max} (511~681)	/	9.0	12.3	16.3	23.2	
D _{max} (751~182)	/	/	12.8	16.8	23.5	
d(± 0.1)	0.6	0.6	0.8	0.8	1.0	
W _{max} (180~271)	4.0	4.2	4.5	5.0	5.5	
W _{max} (331~471)	4.6	4.8	5.2	5.5	6.0	
W _{max} (511~681)	/	/	7.2	7.5	8.0	
W _{max} (751~182)	/	/	10.0	10.5	11.0	
A(± 1)	5.0	5.0	7.5	7.5	10.0	
L1 _{min}	25.0	25.0	25.0	23.0	23.0	
L2 _{max}	3.0	3.0	3.0	3.0	3.0	



● 用途 APPLICATIONS

- ▶ 半导体器件保护 Protection of semiconductors
- ▶ 家用电器浪涌过电压保护
Surge protection of consumer equipment
- ▶ 通信、测量、控制仪器浪涌过电压保护
Surge protection of communication、measuring or controller instrument
- ▶ 电磁阀、继电器操作过电压保护
Relay or electromagnetic talve surge absorption

● 产品规格及主要电器参数 SPECIFICATION AND ELECTRICAL CHARACTERISTICS OF PRODUCT

型号 Type	压敏电压 varistor voltage	最大容许回路电压 max continuous voltage		最大限制电压 max clamping voltage		最大峰值电流 max peak		电容量(参考值) capacitance 1KHZ
	V	Arms(V)	DC(V)	VC(V)	Lp(A)	2ms	8/20 μ s	pF
MYG05K180	18 (16~20)	11	14	40	1	4	125	1550
MYG07K180				36	2.5	9	250	3400
MYG10K180				36	5	17	500	7300
MYG14K180				36	10	45	1000	7000
MYG20K180				36	20	125	2000	5000
MYG05K220	22 (20~24)	14	18	48	1	4	125	1250
MYG07K220				43	2.5	9	250	2700
MYG10K220				43	5	17	500	5500
MYG14K220				43	10	45	1000	14000
MYG20K220				43	20	125	2000	29000
MYG05K270	27 (24~30)	17	22	60	1	4	125	1000
MYG07K270				53	2.5	9	250	1900
MYG10K270				53	5	17	500	3900
MYG14K270				53	10	45	1000	9500
MYG20K270				53	20	125	2000	21000
MYG05K330	33 (30~36)	20	26	73	1	4	125	900
MYG07K330				65	2.5	9	250	1450
MYG10K330				65	5	17	500	2900
MYG14K330				65	10	45	1000	7200
MYG20K330				65	20	125	2000	16000
MYG05K390	39 (35~43)	25	31	86	1	4	125	500
MYG07K390				77	2.5	9	250	1350
MYG10K390				77	5	17	500	2600
MYG14K390				77	10	45	1000	6400
MYG20K390				77	20	125	2000	14000
MYG05K470	47 (42~52)	30	38	104	1	4	125	450
MYG07K470				93	2.5	9	250	1150
MYG10K470				93	5	17	500	2100
MYG14K470				93	10	45	1000	5200
MYG20K470				93	20	125	2000	12500
MYG05K560	56 (50~62)	35	45	123	1	4	125	400
MYG07K560				110	2.5	9	250	940
MYG10K560				110	5	17	500	1750
MYG14K560				110	10	45	1000	4400
MYG20K560				110	20	125	2000	10500

MYG05K680	68 (61~75)	40	56	150	1	4	125	350
MYG07K680				135	2.5	9	250	700
MYG10K680				135	5	17	500	1300
MYG14K680				135	10	45	1000	3300
MYG20K680				135	20	125	2000	7000
MYG05K820	82 (74~90)	50	65	145	5	6	600	250
MYG07K820				135	10	14	1250	550
MYG10K820				135	25	30	2500	1800
MYG14K820				135	50	60	5000	2900
MYG20K820				135	100	100	7000	5500
MYG05K101	100 (90~110)	60	85	175	5	6	600	200
MYG07K101				165	10	14	1250	500
MYG10K101				165	25	30	2500	1400
MYG14K101				165	50	60	5000	2400
MYG20K101				165	100	100	7000	4700
MYG05K121	120 (108~132)	75	100	210	5	6	600	170
MYG07K121				200	10	14	1250	450
MYG10K121				200	25	30	2500	1100
MYG14K121				200	50	60	5000	1900
MYG20K121				200	100	100	7000	3800
MYG05K151	150 (135~165)	95	125	260	5	6	600	140
MYG07K151				250	10	14	1250	350
MYG10K151				250	25	30	2500	900
MYG14K151				250	50	60	5000	1500
MYG20K151				250	100	100	7000	3000
MYG05K181	180 (162~198)	115	150	315	5	6	600	120
MYG07K181				300	10	14	1250	350
MYG10K181				300	25	30	2500	750
MYG14K181				300	50	60	5000	1300
MYG20K181				300	100	100	7000	2500
MYG05K201	200 (180~220)	130	170	355	5	6	600	80
MYG07K201				340	10	14	1250	250
MYG10K201				340	25	30	2500	500
MYG14K201				340	50	60	5000	1000
MYG20K201				340	100	100	7000	2000
MYG05K221	220 (198~242)	140	180	380	5	6	600	70
MYG07K221				360	10	14	1250	250
MYG10K221				360	25	30	2500	450
MYG14K221				360	50	60	5000	1000
MYG20K221				360	100	100	7000	2000

MYG05K241	240 (216~264)	150	200	415	5	6	600	70
MYG07K241				395	10	14	1250	200
MYG10K241				395	25	30	2500	400
MYG14K241				395	50	60	5000	900
MYG20K241				395	100	100	7000	1800
MYG05K271	270 (243~297)	175	225	475	5	6	600	65
MYG07K271				455	10	14	1250	170
MYG10K271				455	25	30	2500	350
MYG14K271				455	50	60	5000	750
MYG20K271				455	100	100	7000	1600
MYG05K331	330 (297~363)	210	275	580	5	6	600	65
MYG07K331				550	10	14	1250	150
MYG10K331				550	25	30	2500	330
MYG14K331				550	50	60	5000	650
MYG20K331				550	100	100	7000	1400
MYG05K361	360 (324~396)	230	300	620	5	6	600	50
MYG07K361				595	10	14	1250	130
MYG10K361				595	25	30	2500	300
MYG14K361				595	50	60	5000	550
MYG20K361				595	100	100	7000	1200
MYG05K391	390 (351~429)	250	320	675	5	6	600	50
MYG07K391				650	10	14	1250	130
MYG10K391				650	25	30	2500	270
MYG14K391				650	50	60	5000	500
MYG20K391				650	100	100	7000	1000
MYG05K431	430 (387~473)	275	350	745	5	6	600	45
MYG07K431				710	10	14	1250	110
MYG10K431				710	25	30	2500	250
MYG14K431				710	50	60	4500	450
MYG20K431				710	100	100	7000	900
MYG05K471	470 (423~517)	300	385	810	5	6	600	40
MYG07K471				775	10	14	1250	100
MYG10K471				775	25	30	2500	230
MYG14K471				775	50	60	4500	400
MYG20K471				775	100	100	7000	900
MYG07K511	510 (459~561)	320	410	845	10	14	1250	38
MYG10K511				845	25	30	2500	210
MYG14K511				845	50	60	4500	350
MYG20K511				845	100	100	6500	800
MYG10K561	560 (504~616)	350	455	925	25	18	2500	190
MYG14K561				925	50	40	4500	300
MYG20K561				925	100	80	6500	700

MYG10K621	620 (558~682)	380	505	1025	25	18	2500	130
MYG14K621				1025	50	40	4500	250
MYG20K621				1025	100	80	6500	500
MYG10K681	680 (612~748)	420	560	1120	25	18	2500	130
MYG14K681				1120	50	40	4500	250
MYG20K681				1120	100	80	6500	460
MYG10K751	750 (675~825)	460	615	1240	25	18	2500	120
MYG14K751				1240	50	40	4500	230
MYG20K751				1240	100	80	6500	420
MYG10K781	780 (702~858)	485	640	1290	25	18	2500	120
MYG14K781				1290	50	40	4500	230
MYG20K781				1290	100	80	6500	420
MYG10K821	820 (738~902)	510	670	1355	25	18	2500	110
MYG14K821				1355	50	40	4500	200
MYG20K821				1355	100	80	6500	400
MYG10K911	910 (819~1001)	550	745	1500	25	18	2500	100
MYG14K911				1500	50	40	4500	180
MYG20K911				1500	100	80	6500	350
MYG10K102	1000 (900~1100)	625	825	1650	25	18	2500	90
MYG14K102				1650	50	40	4500	150
MYG20K102				1650	100	80	6500	320
MYG10K112	1100 (990~1210)	680	895	1815	25	18	2500	80
MYG14K112				1815	50	40	4500	150
MYG20K112				1815	100	80	6500	300
MYG14K182	1800 (1620~1980)	1000	1465	2970	50	40	4500	100
MYG20K182				2970	100	80	6500	200

注：1、05K产品测量压敏电压为V0.1mA，07K、10K、14K、20K产品测量压敏电压为V1mA。

Varistor voltage is measured at 0.1mA for 05K series, and at 1mA for 07K、10K、14K、20K.

2、工作环境温度：-40℃~+85℃ Operating Temperature Range：-40℃~+85℃

储存温度：-40℃~+125℃ Storage Temperature Range：-40℃~+125℃

3、高焦耳产品在型号后加“J”，最大峰值电流增加40%

For high Joule products, add "J" after the product specification, the maximum peak current increased by 40%