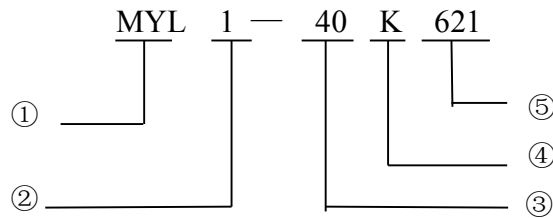


## Surge Protecting Varistor

### 一、 Explanation of Part Numbers:



#### 1.1 ①

1.2 ② 1: Epoxy Resin Coated Discs

2: Packed in Plastic Box

#### 1.3 ③

25 means: 25 series (Φ25mm Round Discs)

32 means: 32 series (Φ32mm Round Discs)

40 means: 40 series (34×34mm Square Discs)

50 means: 50 series (43×43mm Square Discs)

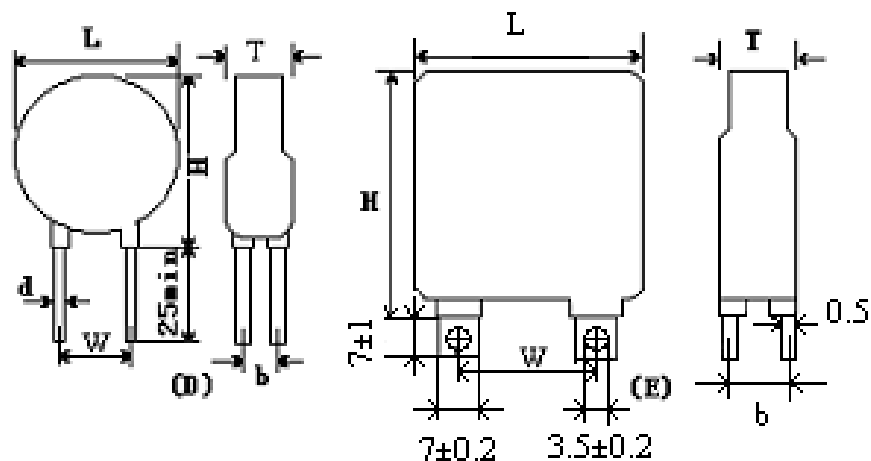
1.4 ④ Tolerance K:  $\pm 10\%$

J:  $\pm 5\%$

1、⑤×××: Varistor Voltage, The first two digits are significant figures and the third one denotes the number of zero following.

### 2、 Component Demensions

2.1.2 MYL1 Epoxy Resin Coated Discs (Electrode and coating materials can be made according to customers requesting.)

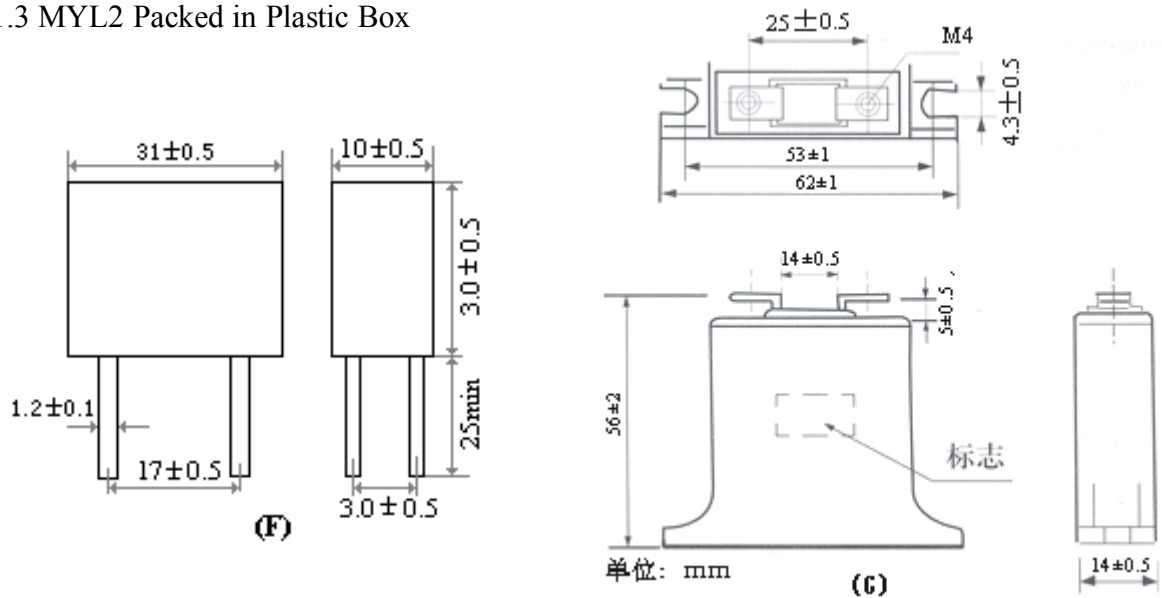


Part No.	Shape	Dimensions and Tolerance (mm)					
		Lmax	Hmax	d	W	Tmax	b
MYL1 -25K201	D	28	31	1.0±0.1	17±1	5.5	2.1±1
-32K201	D	36	39	1.5±0.1	25±1	6.7	2.7±1
-40K201	E	37	42		25.5±0.5	4.7	1.7±1
-50K201	E	46	51		25.5±0.5	4.8	1.8±1
MYL1 -25K221	D	28	31	1.0±0.1	17±1	5.7	2.3±1
-32K221	D	36	39	1.5±0.1	25±1	6.8	2.8±1
-40K221	E	37	42		25.5±0.5	4.9	1.9±1
-50K221	E	46	51		25.5±0.5	5.0	2.0±1
MYL1-25K241	D	28	31	1.0±0.1	17±1	5.9	2.4±1
-32K241	D	36	39	1.5±0.1	25±1	6.9	2.9±1
-40K241	E	37	42		25.5±0.5	5.0	2.0±1
-50K241	E	46	51		25.5±0.5	5.1	2.1±1
MYL1-25K361	D	28	31	1.0±0.1	17±1	6.6	3.1±1
-32K361	D	36	39	1.5±0.1	25±1	7.6	3.6±1
-40K361	E	37	42		25.5±0.5	5.7	2.7±1
-50K361	E	46	51		25.5±0.5	5.9	2.9±1
MYL1-25K391	D	28	31	1.0±0.1	17±1	6.7	3.2±1
-32K391	D	36	39	1.5±0.1	25±1	7.8	3.8±1
-40K391	E	37	42		25.5±0.5	5.9	2.9±1
-50K391	E	46	51		25.5±0.5	6.1	3.1±1
MYL1-25K431	D	28	31	1.0±0.1	17±1	7.0	3.5±1
-32K431	D	36	39	1.5±0.1	25±1	8.0	4.0±1
-40K431	E	37	42		25.5±0.5	6.1	3.1±1
-50K331	E	46	51		25.5±0.5	6.4	3.4±1
MYL1 -25K471	D	28	31	1.0±0.1	17±1	7.2	3.7±1
-32K471	D	36	39	1.5±0.1	25±1	8.3	4.3±1
-40K471	E	37	42		25.5±0.5	6.3	3.3±1
-50K471	E	46	51		25.5±0.5	6.6	3.6±1

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Part No.	Shape	Dimensions and Tolerance (mm)					
		Lmax	Hmax	d	W	Tmax	b
MYL1-25K471	D	28	31	1.0±0.1	17±1	7.4	3.9±1
-32K511	D	36	39	1.5±0.1	25±1	8.5	4.5±1
-40K511	E	37	42		25.5±0.5	6.6	3.6±1
-50K511	E	46	51		25.5±0.5	6.9	3.9±1
MYL1-25K561	D	28	31	1.0±0.1	17±1	7.7	4.2±1
-32K561	D	36	39	1.5±0.1	25±1	8.8	4.8±1
-40K561	E	37	42		25.5±0.5	6.9	3.9±1
-50K561	E	46	51		25.5±0.5	7.2	4.2±1
MYL1-25K621	D	28	31	1.0±0.1	17±1	8.0	4.5±1
-32K621	D	36	39	1.5±0.1	25±1	9.1	5.1±1
-40K621	E	37	42		25.5±0.5	7.3	4.3±1
-50K621	E	46	51		25.5±0.5	7.6	4.6±1
MYL1-25K681	D	29	31	1.0±0.1	17±1	8.4	4.9±1
-32K681	D	36	39	1.5±0.1	25±1	9.5	5.5±1
-40K681	E	37	42		25.5±0.5	7.6	4.6±1
-50K681	E	46	51		25.5±0.5	8.0	5.0±1
MYL1-25K711	D	29	31	1.0±0.1	17±1	8.6	5.5±1
-32K711	D	36	39	1.5±0.1	25±1	9.7	5.7±1
-40K711	E	37	42		25.5±0.5	7.8	4.8±1
-50K711	E	46	51		25.5±0.5	8.2	5.2±1
MYL1-25K781	D	29	31	1.0±0.1	17±1	9.0	5.5±1
-32K781	D	36	39	1.5±0.1	25±1	10.1	6.1±1
-40K781	E	37	42		25.5±0.5	8.2	5.2±1
-50K781	E	46	51		25.5±0.5	8.7	5.7±1
MYL1-25K821	D	29	31	1.0±0.1	17±1	9.2	5.7±1
-32K821	D	36	39	1.5±0.1	25±1	10.3	6.3±1
-40K821	E	37	42		25.5±0.5	8.5	5.5±1
-50K821	E	46	51		25.5±0.5	9.0	6.0±1
MYL1-25K911	D	29	31	1.0±0.1	17±1	9.7	6.2±1
-32K911	D	36	39	1.5±0.1	25±1	10.9	6.9±1
-40K911	E	37	42		25.5±0.5	9.0	6.0±1
-50K911	E	46	51		25.5±0.5	9.6	6.6±1
MYL1-25K102	D	29	31	1.0±0.1	17±1	10.2	6.7±1
-32K102	D	36	39	1.5±0.1	25±1	11.4	7.4±1
-40K102	E	37	42		25.5±0.5	9.6	6.6±1
-50K102	E	46	51		25.5±0.5	10.2	7.2±1
MYL1-25K112	D	29	31	1.0±0.1	17±1	10.8	7.3±1
-32K112	D	36	39	1.5±0.1	25±1	12.0	8.0±1
-40K112	E	37	42		25.5±0.5	10.2	7.2±1
-50K112	E	46	51		25.5±0.5	10.8	7.8±1

### 2.1.3 MYL2 Packed in Plastic Box



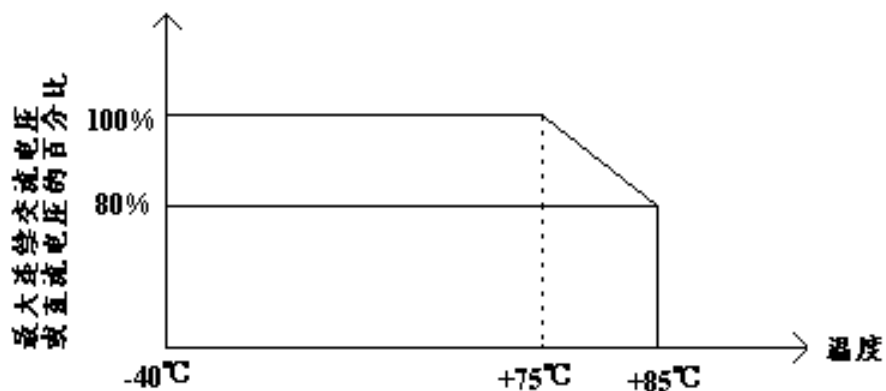
Part No.	Shape
MYL2-25K201~25K681	F
MYL2-32K201~32K681	G
MYL2-40K201~40K681	G

2.2 Operating Temperature Range: -40℃~+85℃

2.3 Storage Temperature Range: -40℃~+110℃

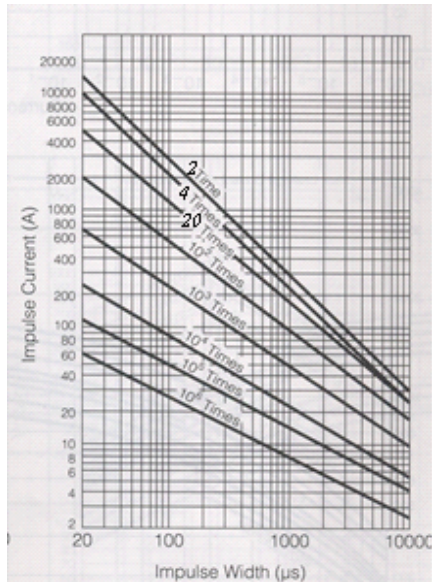
2.4 Leakage Current: At+25℃, ≤20 μA; At +85℃, ≤40 μA

2.5 Relation between temperature and Max. AC voltage or DC voltage:

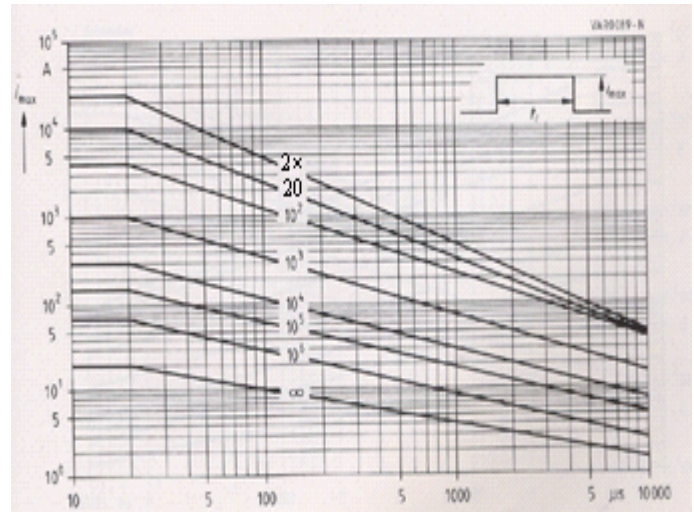


## 2.6 Max Peak Current Derating Curves

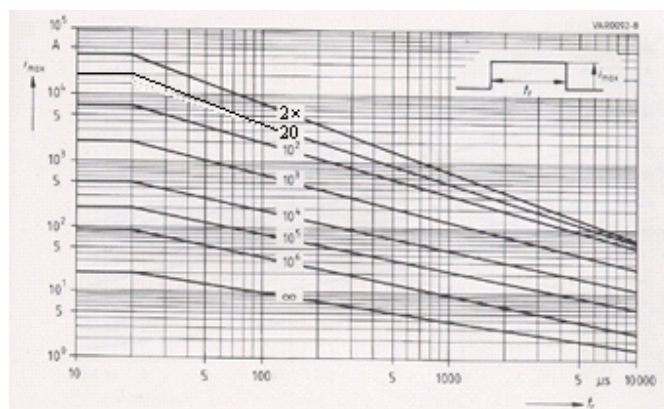
### 25 Series (一)



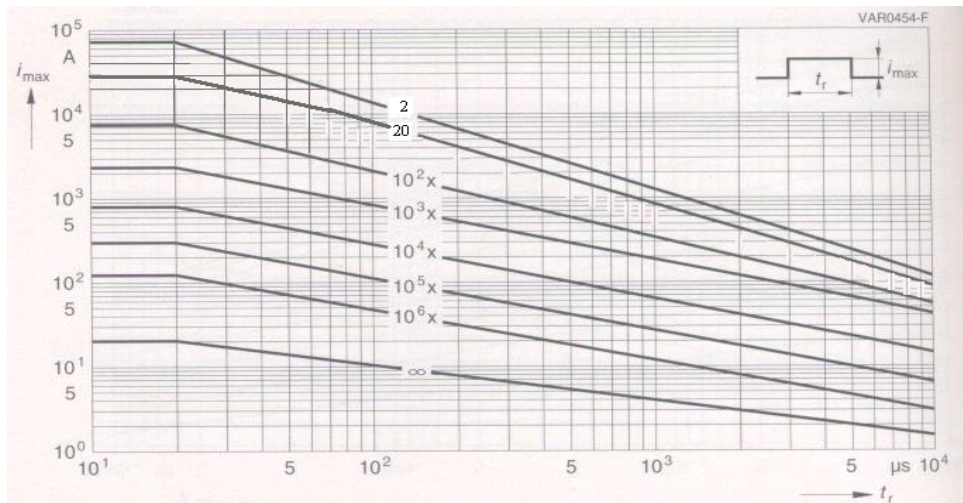
### 32 Series (二)



### 40 Series (三)



### 50 Series (四)



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### 3、Ratings and Characteristics:

Part No. (□ represent 1 or 2)	Varistor Voltage V <sub>1mA</sub> (V)	Max Allowable Voltage U <sub>c</sub> (V)		Clamping Voltage 1 U <sub>p1</sub>		Clamping Voltage 2 U <sub>p2</sub>		Peak Current In (KA) 8/20 μ S 20 次	Max. Peak Current I <sub>max</sub> (KA) 8/20 μ S 2 次	Max. Energy W(J) 2mS
		V <sub>RMS</sub>	V <sub>DC</sub>	V <sub>p1</sub> (V)	I <sub>p1</sub> (A)	V <sub>p2</sub> (V)	I <sub>p2</sub> (KA)			
MYL□-25K201 -32K201 -40K201 -50K201	200 (180-220)	130	170	350 350 350 350	150 200 300 500	630 630 630 630	5 10 20 30	5 10 20 30	15 25 40 75	125 210 310 490
MYL□-25K221 -32K221 -40K221 -50K221	220 (198-242)	140	180	375 375 375 375	150 200 300 500	695 695 695 695	5 10 20 30	5 10 20 30	15 25 40 75	135 230 330 530
MYL□-25K241 -32K241 -40K241 -50K241	240 (216-264)	150	200	395 395 395 395	150 200 300 500	755 755 755 755	5 10 20 30	5 10 20 30	15 25 40 75	145 240 360 570
MYL□-25K361 -32K361 -40K361 -50K361	360 (324-396)	230	300	595 595 595 595	150 200 300 500	1130 1130 1130 1130	5 10 20 30	5 10 20 30	15 25 40 75	190 325 460 730
MYL□-25K391 -32K391 -40K391 -50K391	390 (351-429)	250	320	650 650 650 650	150 200 300 500	1230 1230 1230 1230	5 10 20 30	5 10 20 30	15 25 40 75	210 350 490 800
MYL□-25K431 -32K431 -40K431 -50K431	430 (387-473)	275	350	710 710 710 710	150 200 300 500	1350 1350 1350 1350	5 10 20 30	5 10 20 30	15 25 40 75	275 400 550 860
MYL□-25K471 -32K471 -40K471 -50K471	470 (423-517)	300	385	775 775 775 775	150 200 300 500	1480 1480 1480 1480	5 10 20 30	5 10 20 30	15 25 40 75	245 405 600 930
MYL□-25K511 -32K511 -40K511 -50K511	510 (459-561)	320	415	845 845 845 845	150 200 300 500	1610 1610 1610 1610	5 10 20 30	5 10 20 30	15 25 40 75	265 405 640 1000
MYL□-25K561 -32K561 -40K561 -50K561	560 (504-616)	350	460	910 910 910 910	150 200 300 500	1760 1760 1760 1760	5 10 20 30	5 10 20 30	15 25 40 75	265 450 720 1080



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Part No. (□ represent 1 or 2)	Varistor Voltage $V_{1mA}(V)$	Max Allowable Voltage $U_c (V)$		Clamping Voltage 1 $U_{p1}$		Clamping Voltage 2 $U_{p2}$		Peak Current $I_n (KA)$ 8/20 $\mu S$ 20 次	Max. Peak Current $I_{max} (KA)$ 8/20 $\mu S$ 2 次	Max. Energy W (J) 2mS
		$V_{RMS}$	$V_{DC}$	$V_{P1}$ (V)	$I_{P1}$ (A)	$V_{P2} (V)$	$I_{P2}$ (KA)			
MYL□-25K621 -32K621 -40K621 -50K621	620 (558-682)	385	505	1025 1025 1025 1025	150 200 300 500	1900 1900 1900 1900	5 10 20 30	5 10 20 30	15 25 40 75	265 550 800 1200
MYL□-25K681 -32K681 -40K681 -50K681	680 (612-748)	420	560	1120 1120 1120 1120	150 200 300 500	2080 2080 2080 2080	5 10 20 30	5 10 20 30	15 25 40 75	270 600 910 1500
MYL□-25K711 -32K711 -40K711 -50K711	710 (639-781)	440	590	1190 1190 1190 1190	150 200 300 500	2190 2190 2190 2190	5 10 20 30	5 10 20 30	15 25 40 75	285 630 950 1580
MYL□-25K781 -32K781 -40K781 -50K781	780 (702-858)	485	640	1290 1290 1290 1290	150 200 300 500	2390 2390 2390 2390	5 10 20 30	5 10 20 30	15 25 40 75	300 660 1000 1620
MYL□-25K821 -32K821 -40K821 -50K821	820 (738-902)	510	670	1355 1355 1355 1355	150 200 300 500	2510 2510 2510 2510	5 10 20 30	5 10 20 30	15 25 40 75	310 680 1020 1680
MYL□-25K911 -32K911 -40K911 -50K911	910 (819-1001)	550	745	1500 1500 1500 1500	150 200 300 500	2790 2790 2790 2790	5 10 20 30	5 10 20 30	15 25 40 75	340 700 1040 1700
MYL□-25K102 -32K102 -40K102 -50K102	1000 (900-1100)	625	825	1650 1650 1650 1650	150 200 300 500	3070 3070 3070 3070	5 10 20 30	5 10 20 30	15 25 40 75	375 730 1080 1750
MYL□-25K112 -32K112 -40K112 -50K112	1100 (990-1210)	680	895	1815 1815 1815 1815	150 200 300 500	3380 3380 3380 3380	5 10 20 30	5 10 20 30	15 25 40 75	390 760 1100 1800