

## Surge Protection Metal Oxide Varistors

Features:	
Steady State AC Voltage Range ( $V_{MAC(RMS)}$ )	11V – 1000V
High Peak Surge Current Rating ( $I_{TM}$ ) 8/20us Pulse	250A – 10000A
Single-Pulse Energy Range ( $W_{TM}$ ) 2ms Square Wave	0.40J – 860J
Average Power dissipation of transients	<0.10W – <1.00W
Operating Temperature Range	-55° C – +85° C
Storage Temperature Range	-55° C – +125° C
Hi-Pot Encapsulation (Isolation Voltage Capability)	2500V <sub>DC</sub>
Insulation Resistance	1000 MΩ
Maximum Voltage-Temperature Coefficient	0.01% / °C
Response Time	25ns



**MYL40**  
Pin B Type



**MYE40**  
Terminal B Type



**MYE70**  
Terminal D Type



Code	Specification (25° C)						Maximum Rating (85° C)					Certification		
	Varistor Voltage (1mA DC)			@Ip Clamping Voltage (8/20us)		Typical Capacitance F=1KHz (pF)	Continuous Voltage		Energy (J)	Peak Current (8/20us) $I_{TM}$ (A)				
	Min (V)	$V_{N(DC)}$ (V)	Max (V)	$V_C$ (V)	Ip (A)		$V_{RMS}$	$V_{DC}$						
						$V_{M(AC)}$ (V)			$V_{M(D)}$ (V)	$W_{TM}$				
MYG05-431A				745	5	70			13.5	20	800	Y		Y
MYG07-431A				710	10	150			27.5	40	1750	Y		Y
MYG10-431A	389	<b>430</b>	303	710	25	400	275	350	55	80	3500	Y	Y	Y
MYG14-431A				710	50	650			110	160	6000	Y	Y	Y
MYG20-431A				710	100	1350			215	325	10000	Y		Y
MYG05-751A				810	5	70			15	21	800	Y		Y
MYG07-781A				1290	10	110			32	59	1750	Y		Y
MYG10-781A	702	<b>780</b>	858	1290	25	150	485	640	75	120	3500	Y	Y	Y
MYG14-781A				1290	50	330			160	235	6000	Y	Y	Y
MYG20-781A				1290	100	530			315	460	10000	Y		Y
MYG07-911A				915	10	120			32	46	1750	Y		Y
MYG10-102A	900	<b>1000</b>	1100	1650	25	140	625	825	100	145	3500	Y	Y	Y
MYG14-102A				1650	50	300			200	290	6000	Y	Y	Y
MYG20-102A				1650	100	480			400	565	10000	Y		Y
MYL40-431A/B	389	<b>430</b>	466	710		4100	275	360	530			Y		
MYL40-781A/B	702	<b>780</b>	858	1300		2270	480	640	930			Y		
MYL40-102A/B	900	<b>1000</b>	1080	1650		1730	620	800	1040			Y		
MYE40-431B	389	<b>430</b>	466	710		3800	275	360	550		40	Y		Y
MYE40-781B	702	<b>780</b>	858	1300		2100	480	640	930			Y		Y
MYE40-102B	900	<b>1000</b>	1080	1650		1600	620	800	1040			Y		Y
MYE70-431D	389	<b>430</b>	466	710		6600	275	360	950					Y
MYE70-781D	702	<b>780</b>	858	1300		3800	480	640	1600					Y
MYE70-102D	900	<b>1000</b>	1080	1650		2900	620	800	2200					Y