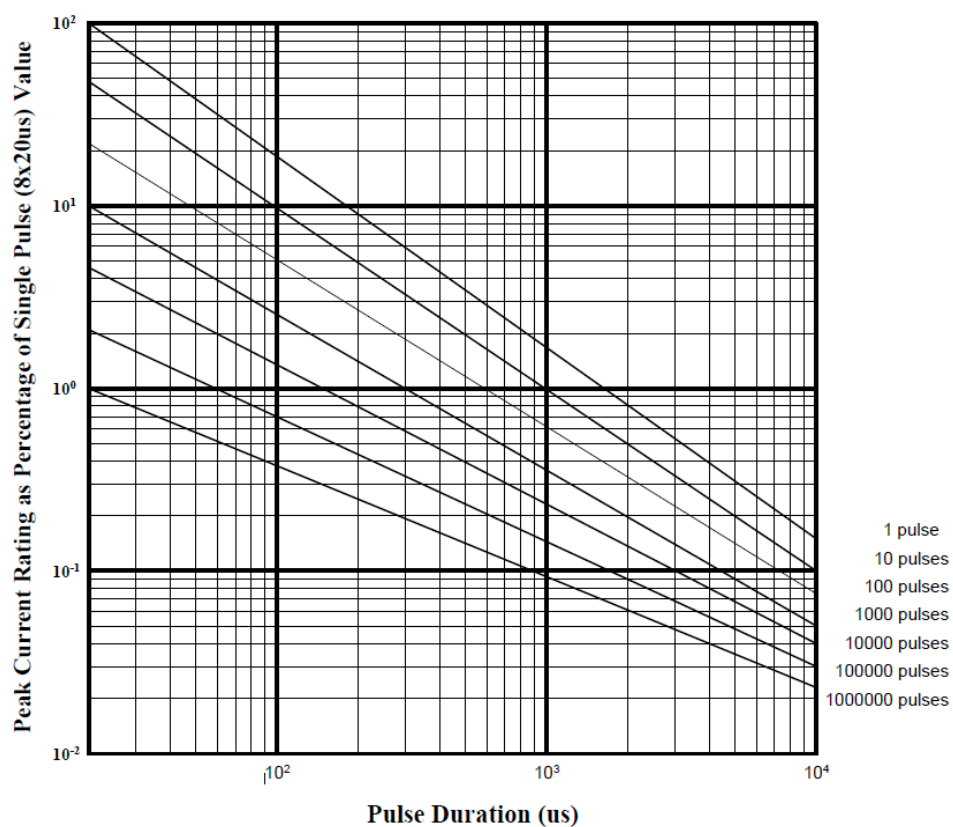
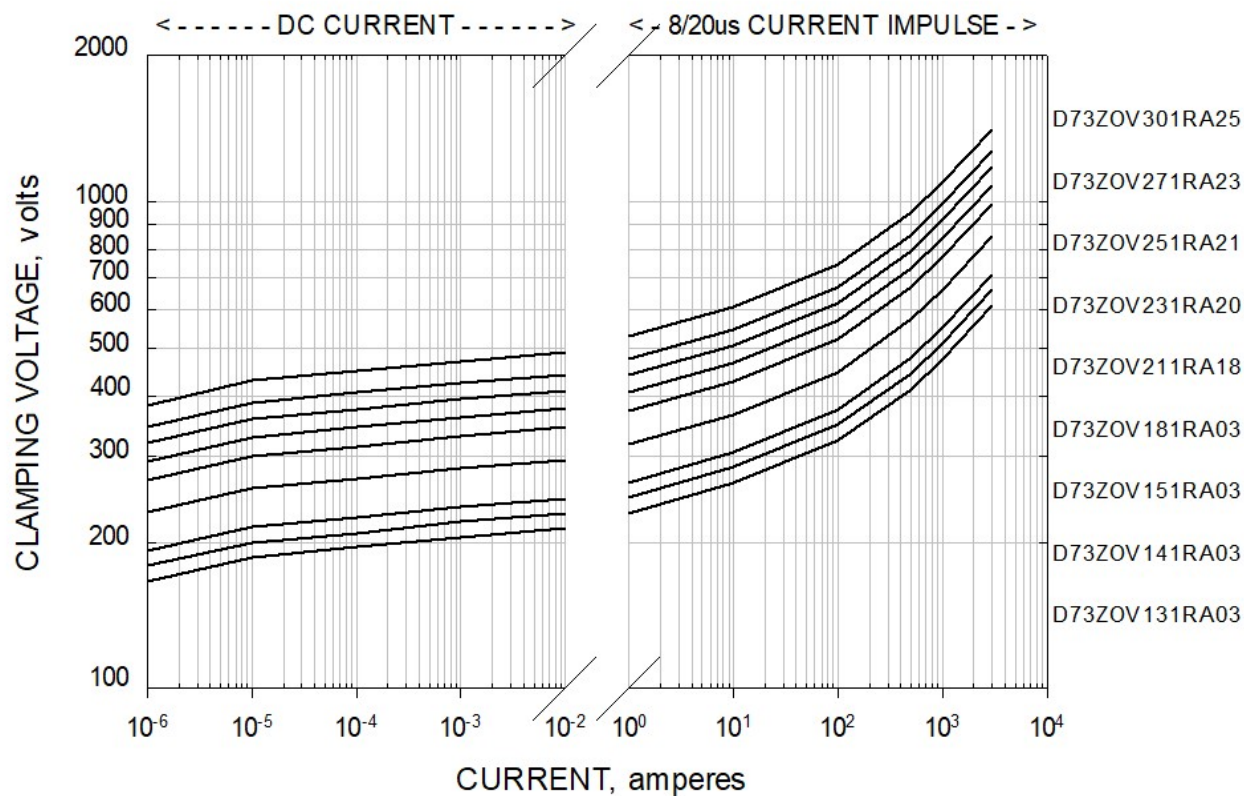
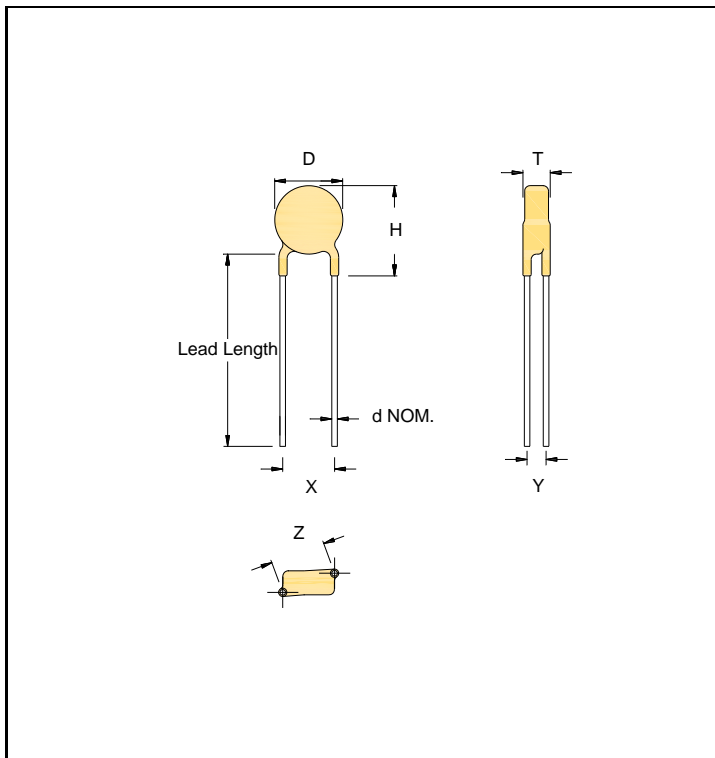




MAIDA ITEM NUMBER 01-0598

www.maida.com

Characteristic Graphs**D73 (7mm) SERIES**



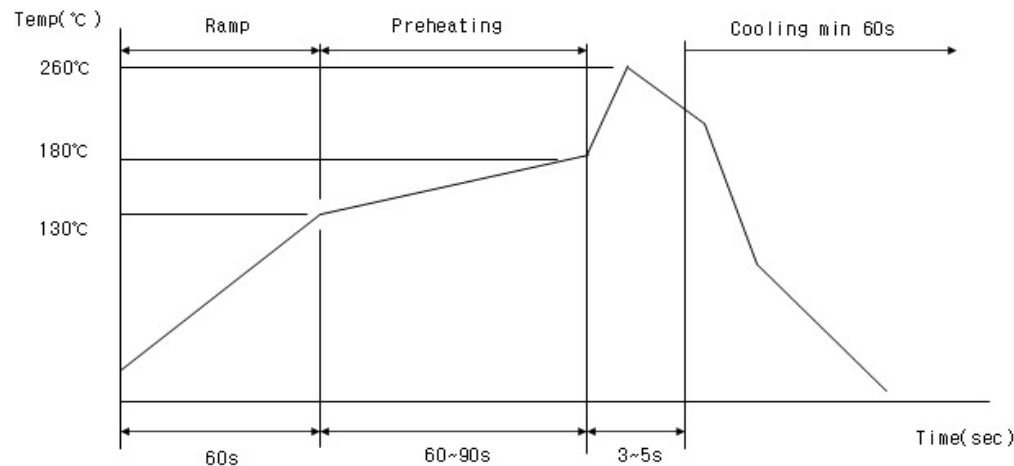
* Contact Maida for a more detailed configuration drawing.

Physical Specifications

Lead Style	005N
X Nominal	0.2 in.
X Tolerance	0.04 in.
Y Nominal	0.054 in.
Y Tolerance	0.03 in.
Z Nominal	0.207 in.
Z Tolerance	0.04 in.
Lead Length Nominal	1.00 in.
Lead Length Tolerance	min. in.
d Nominal	0.025 in.
Wire Gauge	22 AWG
Minimum Marking	Z200-01UL
Nominal Disk Size	7 mm
D Maximum	0.354 in.
T Maximum	0.176 in.
H Maximum	0.479 in.
Coating Type	EPOXY

Thermal Specifications

Minimum Operating Temperature	-40 °C
Maximum Operating Temperature	85 °C
Varistor Voltage Temperature Coeff	-0.05 %/°C
Minimum Storage Temperature	-50 °C
Maximum Storage Temperature	125 °C
Recommended Solder Temperature	260 °C
Recommended Reflow Temperature	260 °C

Environmental Compliances**Recommended Soldering Profile**

MOV Terminology

TECHNICAL TERM	DESCRIPTION
Operating Temperature	Operating Temperature Range without Derating.
Storage Temperature	Storage Temperature Range without Voltage Applied.
Curent / Energy Derating	Derating of maximum Values when Operated above +85°C
Varistor Voltage Temperature Coefficient	$\frac{V_v \text{ at } 85^{\circ}\text{C} - V_v \text{ at } 25^{\circ}\text{C}}{V_v \text{ at } 25^{\circ}\text{C}} \times \frac{1}{60^{\circ}\text{C}} \times 100$ <p>Where Vv is varistor voltage at 1mADC</p>
Insulation Resistance	Minimum resistance between shorted terminals and varistor surface.
HiPot Encapsulation	Minimum voltage applied for one minute between shorted terminals and varistor surface.
Impulse Response Time	Time lag between application of surge and varistor's "turn-on" conduction state.
DC Leakage Current	Maximum current with specified DC voltage applied.
Applied Voltage - AC	Maximum continuous sinusoidal RMS voltage which may be applied (MCOV).
Applied Voltage - DC	Maximum continuous DC voltage which may be applied.
Transient Energy (Joules)	The maximum energy absorbed with a varistor voltage change of less than $\pm 10\%$ when one impulse of an 8x20us current waveform is applied.
Transient Peak Current	The maximum current with a varistor voltage change of less than $\pm 10\%$ when one impulse of an 8x20us current waveform is applied.
Varistor Voltage	Voltage across the varistor measured at 1mADC
Maximum Clamping Voltage	Peak voltage across the varistor with a specific peak impulse current applied (8x20us).
Capacitance	Typical value measured at 1Vrms and a test frequency of 1KHz.