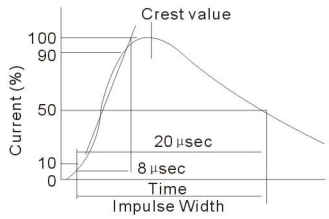
ELECTRICAL RATINGS

Item	Test Condition/Descriptio	Requirement
Varistor Voltage	The voltage between two terminals with the specified measuring current 1 mA DC applied is called Vb. The measurement shall be made as fast as possible to avoid heat affection.	
Maximum Allowable Voltage	The recommended maximum sine wave voltage(rms) or the maximum DC voltage that can be applied continuously.	
Maximum Clamping Voltage	The maximum voltage between two terminals with the specified sta-nadard impulse current (8*20 μ sec) illustrated below applied. 	To meet the specified value.
Rated wattage	The maximum power that cam be applied within the specified ambient temperature.	
Energy	The maximum energy within the Varistor voltage change of ±10% with the standard impulse of 2ms is applied. The maximum energy which is figured out as follows. E = Vm*m*T E : Energy Im : Maximum allowable single surge current of 2ms. Vm : Maximum clamping voltage at Im T : Duration of surge current (2ms.)	
Withstanding Surge Current	The maximum current within the Varistor voltage change of ±10% With the standard impulse current (8*20 μ sec.) Applied one time.	
Varistor Voltage Temperature Coefficient	$\frac{Vb\ at\ 20℃(68°F)-Vb\ at\ 70℃(158°F)}{Vb\ at\ 20℃(68°\ F)} \times \frac{1}{50} \times 100(\%/℃)$	+0.05%/℃max
Surge Life	The change of Vb shall be measured after the impulse listed below is applied 10,000 time continuously with the interval of ten seconds at room temperature	$\frac{\triangle Vb}{Vb} \leqslant \pm 10\%$

5 Series	8R0M to 680K	0.5A(2ms)
	820K to 471K	20A(8*20 μ sec.)
7 Series	8R0M to 680K	1.5A(2ms)
	820K to 471K	50A(8*20 μ sec.)
9 Series	8R0M to 680K	50A(8*20 μ sec.)
	820K to 821K	100A(8*20 μ sec.)
10 Series	8R0M to 680K	50A(8*20 μ sec.)
	820K to 821K	100A(8*20 μ sec.)
14 Series	8R0M to 680K	75A(8*20 μ sec.)
	820K to 821K	150A(8*20 μ sec.)
18 Series	201K to 821K	200A(8*20 μ sec.)
20 Series	201K to 821K	200A(8*20 μ sec.)