

## ELECTRICAL CHARACTERISTICS

Part Number	Working Voltage (V <sub>w</sub> )	Breakdown Voltage (V <sub>b</sub> )	Clamping Voltage (V <sub>c</sub> )	Peak Current (I <sub>p</sub> )	Transient Energy (E <sub>t</sub> )	Typical Capacitance (C)	
	Volt	Volt	Volt	Amp	Joule	pF	
	<50 $\mu$ A	1mA(DC)	2.5A,8/20 $\mu$ s	8/20 $\mu$ s	10/1000 $\mu$ s	1KHz	1MHz
JMV0402E270T150	17.0	21.6~32.4	66	1max	0.05 max.	-	15

V<sub>w</sub>- The max. steady state DC operating voltage of which varistor could maintain also not exceeding 50uA leakage current.

V<sub>b</sub>- The Voltage acrossed the device measured at 1mA DC current.

V<sub>c</sub>- The peak voltage acrossed the varistor measured at a specified pulse current and waveform.

I<sub>p</sub>- The max.peak current applied with specified wavefoem without any possibility of device fail.

E<sub>t</sub>- The max. energy which dissipated with the specified waveform without any possibility of device fail.

C - The device capacitance measured with zero volt bias, 1.0Vrms and 1KHz / 0.5 V rms and 1 MHz.

MLV Storage condition → Temperature:  $\leq 30^{\circ}\text{C}$  / Humidity :  $\leq 60\%$  RH(Moisture Sensitivity Levels: 2a)

MLV Preservation period → 6 months

## External Dimension

Chip Dimension

inch(mm)

Chip Size	L	W	T	A
0402 (1005)	0.040 $\pm$ 0.004 (1.00 $\pm$ 0.10)	0.020 $\pm$ 0.004 (0.50 $\pm$ 0.10)	0.024max. (0.6max.)	0.010 $\pm$ 0.006 (0.25 $\pm$ 0.15)

