

ELECTRICAL CHARACTERISTICS

Part Number	Working Voltage (V _w)	Breakdown Voltage (V _b)	Clamping Voltage (V _c)	Peak Current (I _p)	Transient Energy (E _t)	Typical Capacitance (C)	
	Volt	Volt	Volt	Amp	Joule	pF	
	<50 μ A	1mA(DC)	2.5A,8/20 μ s	8/20 μ s	10/1000 μ s	1KHz	1MHz
JMV0402S090T201	9.0	10.0~15.0	32	20	0.05	-	200

V_w- The max. steady state DC operating voltage of which varistor could maintain also not exceeding 50uA leakage current.

V_b- The Voltage acrossed the device measured at 1mA DC current.

V_c- The peak voltage acrossed the varistor measured at a specified pulse current and waveform.

I_p- The max.peak current applied with specified wavefoem without any possibility of device fail.

E_t- 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)

