

## ELECTRICAL CHARACTERISTICS

Part Number	Working Voltage (Vw)	Breakdown Voltage (Vb)	Clamping Voltage (Vc)	Peak Current (Ip)	Transient Energy (Et)	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
JMV0805S120T431	12.0	14.0~18.3	34	40	0.1	430	-

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

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

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

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

Et- 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  $\rightarrow$  Temperature:  $\leq 30^{\circ}\text{C}$  / Humidity :  $\leq 60\%$  RH(Moisture Sensitivity Levels: 2a)

MLV Preservation period  $\rightarrow$  6 months

## External Dimension

Chip Dimension

Chip Size	inch(mm)			
	L	W	T	A
0805 (2012)	0.079 $\pm$ 0.008 (2.01 $\pm$ 0.20)	0.049 $\pm$ 0.008 (1.25 $\pm$ 0.20)	0.04max. (1.02max.)	0.028max. (0.71max.)

