

## 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
JMV1812S180T452	18.0	21.6~26.0	48@5A	800	2.3	4500	-

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
1812 (4532)	0.177 $\pm$ 0.016 (4.5 $\pm$ 0.40)	0.126 $\pm$ 0.016 (3.2 $\pm$ 0.40)	0.098max. (2.5max.)	0.031max. (0.8max.)

