

## 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 |
| JMV1812S260T302 | 26                   | 31.0~38.0              | 65@5A                 | 800               | 3.0                   | 3000                    | -    |
|                 |                      |                        |                       |                   |                       |                         |      |
|                 |                      |                        |                       |                   |                       |                         |      |

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<br>(4532) | 0.177 $\pm$ 0.016<br>(4.5 $\pm$ 0.40) | 0.126 $\pm$ 0.016<br>(3.2 $\pm$ 0.40) | 0.098max.<br>(2.5max.) | 0.031max.<br>(0.8max.) |

