

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 μ A | 1mA(DC) | 2.5A,8/20 μ s | 8/20 μ s | 10/1000 μ s | 1KHz | 1MHz |
| JMV1210S450T951 | 45 | 50.4~61.6 | 95@2.5A | 250 | 2.2 | 950 | - |
| | | | | | | | |
| | | | | | | | |

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 | L | W | T | A |
|----------------|--|---------------------------------------|------------------------|-------------------------|
| 1210 (3225) | 0.126 \pm 0.008 (3.20 \pm 0.20) | 0.098 \pm 0.01 (2.50 \pm 0.25) | 0.071max. (1.8max.) | 0.028max. (0.71max.) |

inch(mm)

