

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 |
| JMV0603E620T300 | 17 | 55.8~68.2 | 120 | 2max. | 0.05 max. | - | 30 |
| | | | | | | | |
| | | | | | | | |

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

inch(mm)

| Chip Size | L | W | T | A |
|----------------|--|--|-------------------------|--|
| 0603 (1608) | 0.063 \pm 0.006 (1.60 \pm 0.15) | 0.031 \pm 0.006 (0.80 \pm 0.15) | 0.035 max. (0.9max.) | 0.014 \pm 0.006 (0.35 \pm 0.15) |

