

## ELECTRICAL CHARACTERISTICS

| Part No.               | Working Voltage (Vw) | Clamping Voltage (Vc) | ESD Withstanding | Capacitance (C) |      | Capacitance Tolerance |
|------------------------|----------------------|-----------------------|------------------|-----------------|------|-----------------------|
|                        | Volts                | Volts                 | Times            | pF              |      | %                     |
|                        | <15 $\mu$ A          | 1A,8/20 $\mu$ s       | 8KV*             | 1KHz            | 1MHz |                       |
| <b>JMV0603C050T181</b> | 5                    | 29                    | > 1000           | 180             | -    | $\pm$ 20%             |
|                        |                      |                       |                  |                 |      |                       |
|                        |                      |                       |                  |                 |      |                       |

\* - In system ESD withstanding pulse per IEC 61000-4-2, 8KV, contact discharge method.

Vw- The max. steady state DC operating voltage of which varistor could maintain also not exceeding 15uA leakage current.

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

C - The device capacitance measured with 1.0Vrms, 1KHz / 0.5rms, 1 I

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                                      |
| 0603<br>(1608) | 0.063 $\pm$ 0.006<br>(1.60 $\pm$ 0.15) | 0.031 $\pm$ 0.006<br>(0.80 $\pm$ 0.15) | 0.035 max.<br>(0.9max.) | 0.014 $\pm$ 0.006<br>(0.35 $\pm$ 0.15) |

