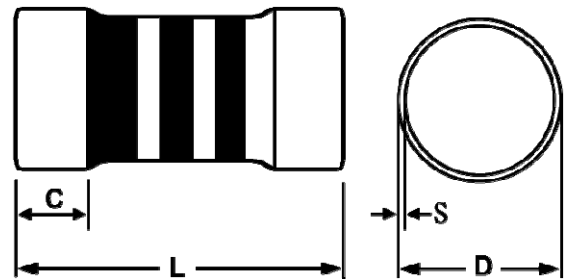


Dimensions :

| Type | Size | Dimensions (mm) |         |         |         |
|------|------|-----------------|---------|---------|---------|
|      |      | L               | D       | C       | S       |
| MEMG | 0207 | 5.7±0.2         | 2.2+0.1 | 0.8±0.2 | 0.2±0.1 |
|      | 0309 | 8.5±0.3         | 3.0±0.3 | 1.7±0.2 | 0.3±0.1 |
|      | 0411 | 10.5±0.3        | 4.0±0.3 | 2.3±0.2 | 0.3±0.1 |
|      | 0515 | 14.5±0.3        | 4.5±0.3 | 2.3±0.2 | 0.3±0.1 |



Coating Color : Pink 、 Grey

Marking : Color Bands.

Range :

| TYPE | SIZE | POWER RATING | MAX. WORKING VOLTAGE | MAX. OVERLOAD VOLTAGE | RESISTANCE RANGE |
|------|------|--------------|----------------------|-----------------------|------------------|
| MEMG | 0207 | 1/4W (0.25W) | 600V                 | 1000V                 | 100KΩ~100MΩ      |
|      |      | 1/2Ws (0.5W) |                      |                       |                  |
|      |      | 1Wss (1W)    |                      |                       |                  |
|      | 0309 | 1 W          | 700V                 | 1000V                 |                  |
|      | 0411 | 2W           | 800V                 | 1000V                 |                  |
|      | 5015 | 3W           | 900V                 | 1000V                 |                  |

Rated-Voltage= $\sqrt{P(W) \times R(\Omega)}$  or Max. Working Voltage, whichever lower.

|      |             |      |       |             |          |                |
|------|-------------|------|-------|-------------|----------|----------------|
| ME   | MG          | 0207 | 1/4W  | 3K          | J        | TR             |
| ↓    | ↓           | ↓    | ↓     | ↓           | ↓        | ↓              |
| Type | Type        | SIZE | POWER | Resistance  | J        | Packaging      |
| MELF | Metal Glaze | 0207 | 1/4W  | 100K 100KΩ  | D ± 0.5% | TR Taping Reel |
|      |             | 0309 | 1/2Ws | 500KR 500KΩ | F ± 1%   | BU Bulk        |
|      |             | 0411 | 1W    | 10MR 10MΩ   | G ± 2%   |                |
|      |             | 0515 | 2W    | 100M 100MΩ  | J ± 5%   |                |
|      |             |      | 3W    |             | K ± 10%  |                |

Permissible Pulse Volt.

| Type | Size | Power Rating | resistance Range                 |                                  |                             |
|------|------|--------------|----------------------------------|----------------------------------|-----------------------------|
| MEMG | 0207 | 1/4W         | 100K $\Omega$ ~1M $\Omega$ : 3KV | 1M1 $\Omega$ ~6M2 $\Omega$ : 4KV | $\geq$ 6.8M $\Omega$ : 5KV  |
|      |      | 1/2WS        | 100K $\Omega$ ~1M $\Omega$ : 3KV | 1M1 $\Omega$ ~6M2 $\Omega$ : 4KV | $\geq$ 6.8M $\Omega$ : 6KV  |
|      |      | 1W           | 100K $\Omega$ ~1M $\Omega$ : 3KV | 1M1 $\Omega$ ~6M2 $\Omega$ : 4KV | $\geq$ 6.8M $\Omega$ : 7KV  |
|      | 0309 | 1W           | 100K $\Omega$ ~1M $\Omega$ : 4KV | 1M1 $\Omega$ ~6M2 $\Omega$ : 5KV | $\geq$ 6.8M $\Omega$ : 8KV  |
|      | 0411 | 2W           | 100K $\Omega$ ~1M $\Omega$ : 5KV | 1M1 $\Omega$ ~6M2 $\Omega$ : 6KV | $\geq$ 6.8M $\Omega$ : 9KV  |
|      | 0515 | 3W           | 100K $\Omega$ ~1M $\Omega$ : 6KV | 1M1 $\Omega$ ~6M2 $\Omega$ : 7KV | $\geq$ 6.8M $\Omega$ : 10KV |

## Characteristics

| Item                                     | Characteristics   | Test Method   |
|--|---|---|
| 1. Operating Temp. Range<br>使用溫度範圍       | -55 $^{\circ}$ C~155 $^{\circ}$ C   |   |
| 2. Temperature Coefficient<br>溫度系數       | $\pm$ 350 ppm/ $^{\circ}$ C   | JIS-C-5202;5.2  |
| 3. short time overload<br>短時間過負載         | $\pm$ 1%  | Rating voltage*2.5 or Max.<br>Overload voltage For 5 sec.   |
| 4. Overloadability<br>高壓過負載              | $\pm$ 20%   | Conditioned at 40 $^{\circ}$ C,95%R.H., for 21 days.<br>Charged to capacitor (0.01uF) for 2.5 seconds.<br>According to following and discharge for 2.5 seconds, total of 10 cycles. |
| 5. Temperature cycling<br>溫度週率           | $\pm$ 1%  | -55 $^{\circ}$ C (30min.)/+85 $^{\circ}$ C (30min.)<br>For 5 cycle  |
| 6. Load Life in Humidity<br>耐濕負載         | $\pm$ 5%  | 40 $^{\circ}$ C $\pm$ 2 $^{\circ}$ C,90%~95% RH,1000h,<br>1.5h" on" /0.5h "off" cycle   |
| 7. Load Life<br>壽命負載                     | $\pm$ 5%  | 70 $^{\circ}$ C $\pm$ 2 $^{\circ}$ C,1000h,<br>1.5h" on" /0.5h "off" cycle  |
| 8. Resistance to soldering<br>Heat 焊接耐熱性 | $\pm$ 2%  | 260 $^{\circ}$ C $\pm$ 5 $^{\circ}$ C,5sec $\pm$ 1sec   |
| 9. Solderability<br>焊接性                  | 90% Coverage/Min  | 235 $^{\circ}$ C $\pm$ 5 $^{\circ}$ C,2sec $\pm$ 0.5sec   |
| 10. Non-Combustibility<br>不然性            | The resistors shall withstand Overload test in accordance With Article UL-94,V-0 without producing a fire hazard. |   |