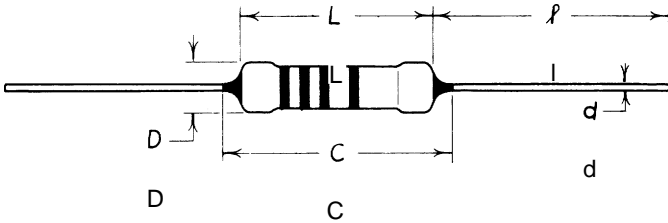


**LEADED GENERAL PURPOSE**

- Conformally coated with UL94V-O flameproof material
- Suitable for automatic machine insertion
- Units are marked with color bands or alpha-numeric marking
- Lavender body color



**DIMENSIONS (in/mm)**

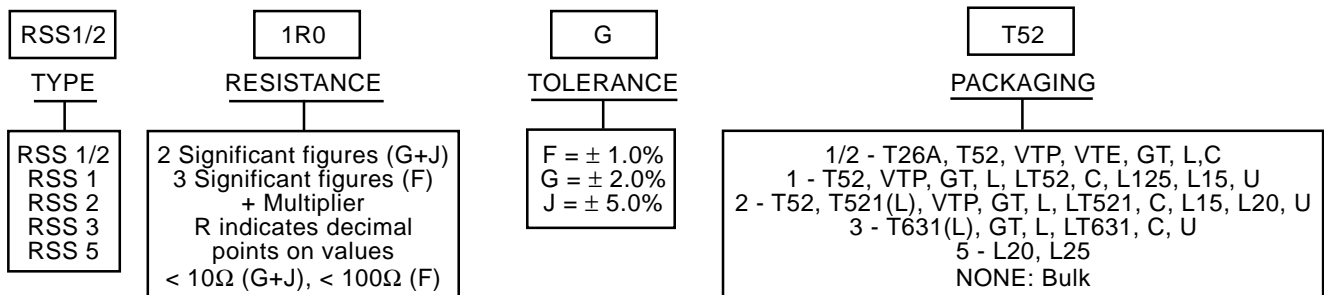
| TYPE    | L (typ)       | C (max)       | D                      | d                        | l                     |
|---------|---------------|---------------|------------------------|--------------------------|-----------------------|
| RSS 1/2 | 0.256<br>6.2  | 0.280<br>7.1  | 0.098±0.02<br>2.5±0.5  | 0.024±0.002<br>0.60±0.05 | 1.18±0.12<br>30.0±3.0 |
| RSS 1   | 0.375<br>9.0  | 0.437<br>11.1 | 0.118±0.02<br>3.0±0.5  | 0.031±0.002<br>0.80±0.05 | 1.18±0.12<br>30.0±3.0 |
| RSS 2   | 0.472<br>12.0 | 0.591<br>15.0 | 0.157±0.02<br>4.0±0.5  |                          |                       |
| RSS 3   | 0.610<br>15.5 | 0.709<br>18.0 | 0.236±0.039<br>6.0±1.0 |                          |                       |
| RSS 5   | 0.965<br>24.5 | 1.102<br>28.0 | 0.354±0.039<br>9.0±1.0 |                          |                       |
|         |               |               |                        |                          |                       |

**STANDARD APPLICATIONS**

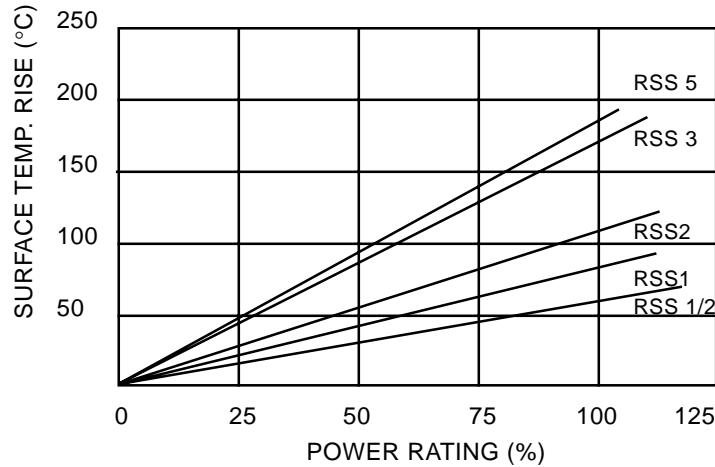
| TYPE    | POWER RATING @70°C | MAX WORKING VOLTAGE | MAX OVERLOAD | DWV   | RATED AMBIENT TEMP. | OPERATING TEMP. RANGE | RESISTANCE RANGE |              |              |
|---------|--------------------|---------------------|--------------|-------|---------------------|-----------------------|------------------|--------------|--------------|
|         |                    |                     |              |       |                     |                       | F(± 1%) E-96     | G(± 2%) E-24 | J(± 5%) E-24 |
| RSS 1/2 | 500 mW             | 300 V               | 600 V        | 400 V | 70°C                | -55°C                 | 1.0 - 47KΩ       |              | 0.2 - 47KΩ   |
| RSS 1   | 1 W                | 350 V               |              | 500 V |                     |                       | 0.2 - 68KΩ       |              |              |
| RSS 2   | 2 W                |                     | 700 V        | 700 V |                     | 0.2 - 100KΩ           | 0.2 - 100KΩ      |              |              |
| RSS 3   | 3 W                |                     |              | 700 V |                     | —                     |                  |              |              |
| RSS 5   | 5 W                | 500 V               | 1000 V       | 800 V |                     | 200°C                 | —                |              |              |

LEADED COMPONENTS

**ORDERING AND SPECIFYING**



PERFORMANCE CHARACTERISTICS



| PARAMETER                     | CHARACTERISTIC LIMITS |
|-------------------------------|-----------------------|
| Temperature Coefficient       | ± 200 ppm/°C          |
| Short Time Overload           | ± 2%                  |
| Effects of Solder             | ± 1%                  |
| Moisture Resistance           | ± 5%                  |
| Load Life                     | ± 5%                  |
| Temperature Cycling           | ± 1%                  |
| Vibration                     | ± 1%                  |
| Shock                         | ± 1%                  |
| Terminal Strength (Lead Pull) | 5 # min.              |
| Current Noise                 | < 1.0 μv/v/decade     |
| Voltage Coefficient           | < 20 ppm/v            |
| Low Temperature Operation     | ± 1%                  |

LEADED COMPONENTS