

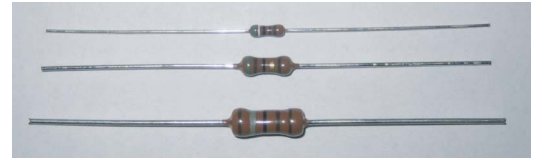


High Stability Insulated Metal Film Fixed Resistors

RTL Type

■ Features

Metal film resistor with high stability and high reliability.
 Available with the tolerance of $\pm 0.5\%$, $\pm 1.0\%$, $\pm 2.0\%$, $\pm 5.0\%$.



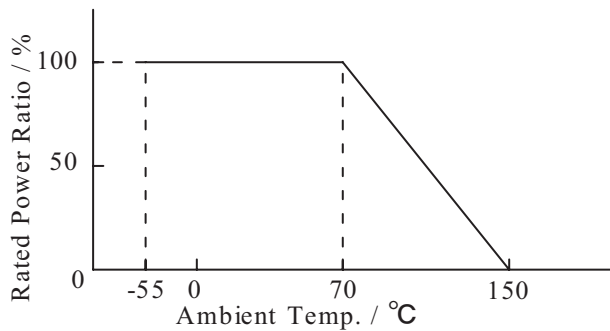
■ Power Rating

| Type | Power Rating | Max. Working Voltage | Max. Overload Voltage | Resistance Range | Tolerance | T.C.R. | Rated Ambient Temp. | Operating Temp. Range |
|--------|--------------|----------------------|-----------------------|------------------|------------------------|----------------------------|------------------------|------------------------|
| | [W] | [V] | [V] | [Ω] | [%] | [ppm/ $^{\circ}\text{C}$] | [$^{\circ}\text{C}$] | [$^{\circ}\text{C}$] |
| RTL1/4 | 0.25 | 250 | 500 | 10~100k | ± 0.5 | ± 50 | +70 | -55~+150 |
| RTL1/2 | 0.5 | 350 | 700 | 10~100k | ± 1.0 | ± 100 | | |
| RTL 1 | 1.0 | 500 | 1000 | 10~100k | ± 2.0 ± 5.0 | ± 200 | | |

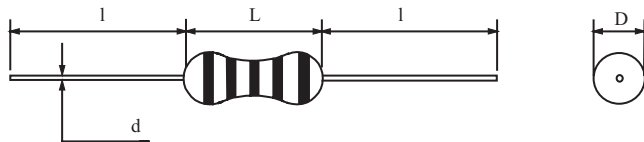
★ Rated Voltage: $\sqrt{P \cdot R}$ (P=Rated power (W), R=Nominal resistance(Ω)) Rated Voltage shall be either the calculated rated voltage or Max. Working Voltage whichever less.

★ D ($\pm 0.5\%$) is available in the range of $100\Omega \sim 100k\Omega$ (All size available)

■ Derating Curve



■ Dimensions



★ Marking: G (± 2.0), J (± 5.0) are 4 color code lines

★ Body color: Brown

| Type | Dimensions(mm) | | | |
|--------|----------------|---------------|------------|----------------|
| | L | D | l | d |
| RTL1/4 | 6.4 ± 0.8 | 2.3 ± 0.4 | 27min. | 0.6 ± 0.1 |
| RTL1/2 | 9.5 ± 1.1 | 3.5 ± 0.6 | 38 ± 3 | 0.65 ± 0.1 |
| RTL 1 | 14.2 ± 0.8 | 4.8 ± 0.4 | 38 ± 3 | 1.0 ± 0.1 |



■ Type Designation

RTL 1/4 C3 1kΩ F TU
 ① ② ③ ④ ⑤ ⑥

| | | Symbol | Meaning |
|---|--------------------|---|---|
| ① | Type | RTL | INSULATED HIGH STABILITY FIXED METAL FILM RESISTORS |
| ② | Power Rating | 1/4 | 0.25W |
| | | 1/2 | 0.5W |
| | | 1 | 1.0W |
| ③ | T.C.R. | C2 | ± 50ppm/°C |
| | | C3 | ±100ppm/°C |
| | | C4 | ±200ppm/°C |
| ④ | Resistance | 1kΩ | Standard Resistance E-24, E-96 series |
| | | For detail description about resistance marking, please refer to "General Specifications." | |
| ⑤ | Tolerance | D | ±0.5% |
| | | F | ±1.0% |
| | | G | ±2.0% |
| | | J | ±5.0% |
| ⑥ | Forming, Packaging | No Marking | Bulk |
| | | TU,TP | Axial Taping |
| | | For detail description about forming and taping specification, please refer to Taping Specification page in "General Specifications." | |