



# High Stability Insulated Metal Film Fixed Resistors

## RTL Type

### ■ Features

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



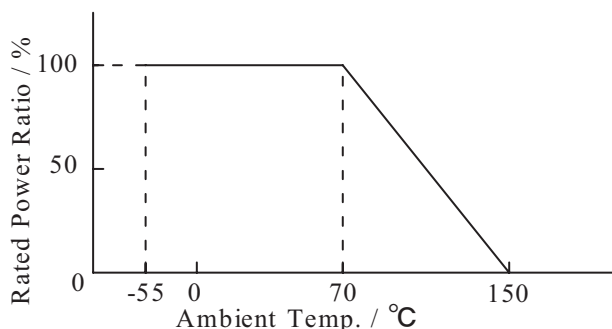
### ■ Power Rating

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

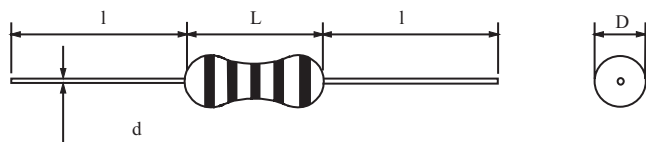
★ Rated Voltage:  $\sqrt{P \cdot R}$  (P=Rated power (W), R=Nominal resistance( $\Omega$ )) Rated Voltage shall be either the calculated rated voltage or Max. Working Voltage whichever less.

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

### ■ Derating Curve



### ■ Dimensions



★ Marking: G ( $\pm 2.0$ ), J ( $\pm 5.0$ ) are 4 color code lines

★ Body color: Brown

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



# High Stability Insulated Metal Film Fixed Resistors

## ■ 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."	