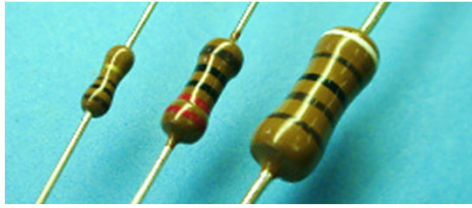
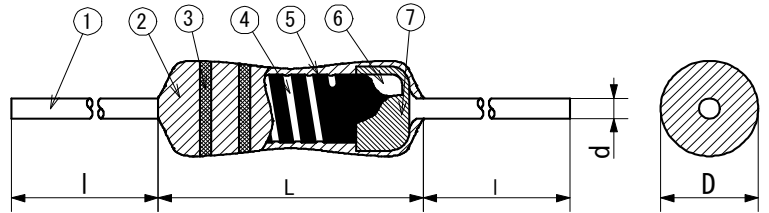


Model No. RTL



■ Constructions and Dimensions



①	lead wire	④	herical cutting groove	⑦	cap
②	insulation coat	⑤	conductive film		
③	color code	⑥	ceramic base		

■ Feature

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

Type	Dimensions(mm)			
	L	D	l	d
RTL1/4W	6.4 \pm 0.8	2.3 \pm 0.4	27 min.	0.6 \pm 0.1
RTL1/2W	9.5 \pm 1.1	3.5 \pm 0.6	38 \pm 3	0.65 \pm 0.1
RTL1W	14.2 \pm 0.8	4.8 \pm 0.4	38 \pm 3	1.0 \pm 0.1

■ Type Designation

Ex) RTL1/4 C3 10k Ω FTU

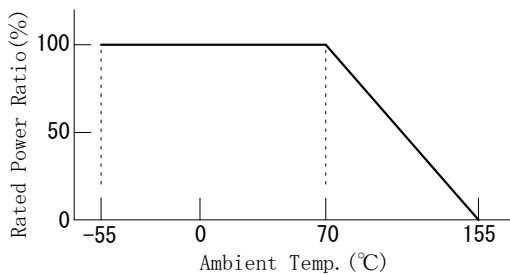
RTL	1/4	C3	10k Ω	F	TU
Type	Power Rating	T.C.R. [ppm/ $^{\circ}$ C]	Resistance E-24,E-96 series	Tolerance	Forming, Packaging
INSULATED HIGH STABILITY FIXED METAL FILM RESISTORS	1/4 : 0.25W 1/2 : 0.5W 1 : 1W	C2 : ± 50 C3 : ± 100 C4 : ± 200	※Please refer to General Specifications.	D : $\pm 0.5\%$ F : $\pm 1.0\%$ G : $\pm 2.0\%$ J : $\pm 5.0\%$	TU : 52mm Axial Taping TP : 26mm Axial Taping No Marking : Bulk ※Please refer to General Specifications.

■ Power Rating

Type	Power Rating	Rated Voltage [V]	Dielectric withstanding Voltage [V]	Resistance Range [Ω]		T.C.R. [ppm/ $^{\circ}$ C]	Rated Ambient Temp. [$^{\circ}$ C]	Operating Temp. Range [$^{\circ}$ C]
	[W]			D	F,G,J			
RTL1/4	0.25	$\sqrt{P \cdot R}$	400	100~100k	10~100k	C2 : ± 50 C3 : ± 100 C4 : ± 200	+70	-55~+155
RTL1/2	0.5	$\sqrt{P \cdot R}$	600	100~100k	10~100k			
RTL1	1.0	$\sqrt{P \cdot R}$	600	100~100k	10~100k			

※Rated Voltage : $\sqrt{P \cdot R}$ (P=Rated power (W), R=Nominal resistance (Ω))

■ Derating Curve



■ Performance

Items	Characteristics	Test method
Short-time over load	resistance change within $\pm 0.5\%$	JIS C 5201-1 4.13 Rated voltage $\times 2.5$ 5s
Resistance to soldering heat	resistance change within $\pm 0.5\%$	JIS C 5201-1 4.18 260 $^{\circ}$ C 10s
Damp heat (steady state)	resistance change within $\pm 1.5\%$	JIS C 5201-1 4.24 40 $^{\circ}$ C, 95%RH, 1,000h 1.5hON, 0.5hOFF cycle
Endurance (rated load)	resistance change within $\pm 2.0\%$	JIS C 5201-1 4.25.1 70 $^{\circ}$ C, 1,000h 1.5hON, 0.5hOFF cycle