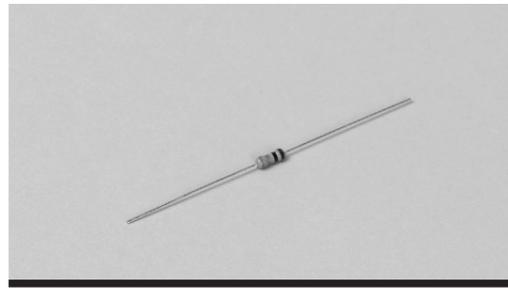
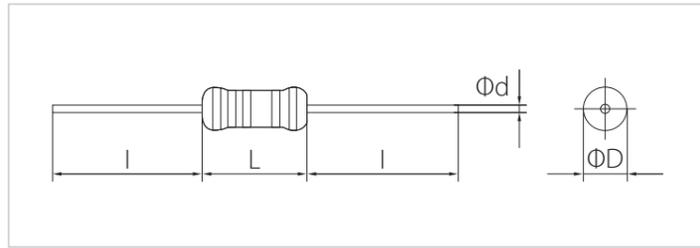


RDM Small Carbon Film Resistor

RoHS HF



Dimension

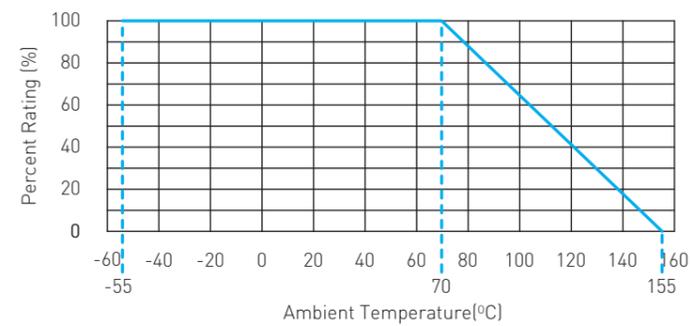


Type	Dimension (mm)			
	L	D	l	d
1/4W	3.2 ± 0.3	1.8 ± 0.2	28.0 ± 3.0	0.43 ± 0.02
1/2W	5.8 ± 0.5	2.3 ± 0.2	27.0 ± 3.0	0.55 ± 0.02

Type Designation

RDM	92	T1	10R0	J
Products Code	Power Rating	Style	Nominal Resistance	Resistance Tolerance
	94: 1/4W 92: 1/2W	T: Axial Type S: 26mm Type	1R00: 1Ω 1K00: 1KΩ 1M00: 1MΩ	G: ±2% J: ±5%

Derating Curve



Rating & Shape

Type	Max. Working Voltage (V)	Max. Overload Voltage (V)	Dielectric Withstanding Voltage (V)	Range (Ω)	Resistance Tolerance (%)	Operating Temp. Range (°C)	Ambient Temperature (°C)	Axial Type	
								26mm	52mm
1/4W	250	500	500	0.47~1M	G: ±2 J: ±5	-55~+155	70	O	O
1/2W	350	700	700					O	O

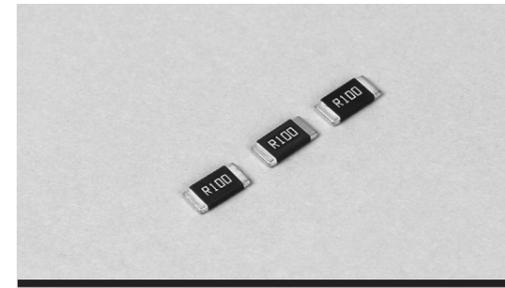
Performance

Test Items	Performance Requirements	Test Methods
Resistance	Within specified tolerance	Measure resistance at 25°C
T.C.R	Within ±350PPM/°C	+25°C/+125°C
Short Time Overload	±[2%+0.1Ω]	Rated voltage x2.5 for 5sec or Max overload voltage
Resistance Against Soldering Test	±[2%+0.05Ω]	260 ± 5°C, 2~2.5mm, 10 ± 1sec measure resistance After 1hr at room temp
Load Life in Moisture	±[5%+0.1Ω]	40 ± 2°C 90~95%RH, 1.5hr ON/0.5hr OFF cycle, 1,000hr
Load Life in Temperature	±[5%+0.1Ω]	70 ± 2°C, 1.5hr ON/0.5hr OFF cycle, 1,000hr

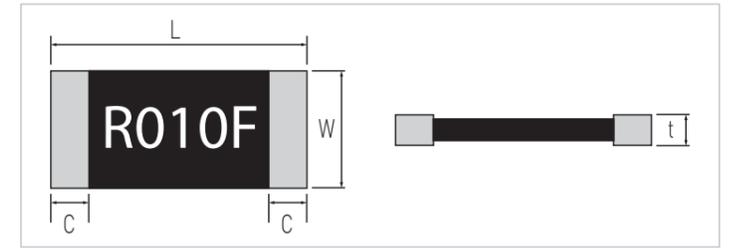
Specification given here in may be changed at any time without prior notice. Please confirm technical specifications before you order or use.

CSR Current Sensing Resistor

RoHS HF



Dimension



Type	Dimension (mm)			
	L	W	C	T
1/2W	5.0 ± 0.2	2.5 ± 0.2	0.6 ± 0.3	0.7 ± 0.2
1W/2W	6.3 ± 0.2	3.2 ± 0.2	2.0 ± 0.2 (R ≤ 2mΩ) 1.0 ± 0.2 (R > 2mΩ)	0.7 ± 0.2

CSR is named as chip current sensing Resistor that is made by Metal Plate and covered Insulation polymer[UL94V-0] after forming terminal.

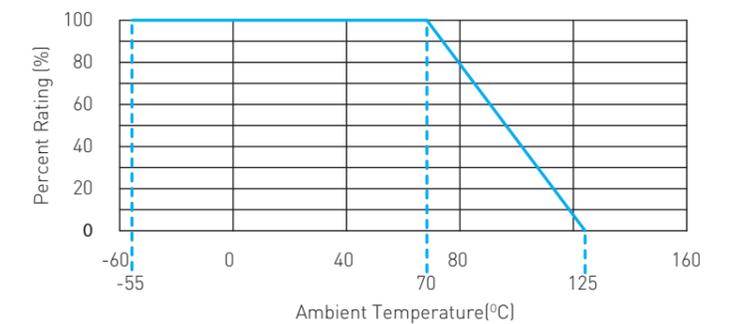
Features

- Excellent current sensing, Voltage division and frequency response characteristics.
- Over coating is molding compound UL-94 grade.
- Low inductance less 1nH.
- 1/2W, 2W, 3W are now developed.

Type Designation

CSR	01	TR	R010	F
Products Code	Power Rating	Style	Nominal Resistance	Resistance Tolerance
	92: 1/2W 01: 1W 02: 2W	TR: Reel Type	R001: 0.001Ω R010: 0.01Ω R100: 0.1Ω	F: ±1% G: ±2% J: ±5%

Derating Curve



Rating

Power Rating (W)	Size Code	Resistance Range (Ω)	Resistance Tolerance (%)	Operating Temp. Range (°C)	Ambient Temperature (°C)
	mm				
1/2W	5025	0.003~0.06	F: ±1 G: ±2 J: ±5	-55~+125	70
1W / 2W	6332	0.001 ~ 0.1			

Performance

Test Items	Performance Requirements	Test Methods
DC Resistance	Within specified tolerance	Measure resistance at 25°C
T.C.R	R ≤ 2mΩ : ±275 2mΩ < R ≤ 10mΩ : ±100 R > 10mΩ : ±75	+25°C/+125°C
Short time Overload	±[1%+0.005Ω]	Rated voltage x2.5 for 5sec or Max overload voltage
Load Life in Moisture	±[2%+0.005Ω]	40 ± 2°C, 90~95%RH, 1.5hr ON/0.5hr OFF cycle, 1,000hr
Load Life in Temperature	±[2%+0.005Ω]	70 ± 2°C, 1.5hr ON/0.5hr OFF cycle, 1,000hr

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