

RD series

Carbon Film Resistor



- Ultra Miniature Size
- Wide Resistance Range
- High Power Rating
- High Stability
- Flameproof Coating Equivalent

■ SPECIFICATIONS

ITEM	SPECIFICATION
Shot Time Over Load	$\pm(1.0\% +0.05\Omega)$
Dielectric Withstanding Voltage	$\pm(1.0\% +0.05\Omega)$
Resistance To Soldering Heat	$\pm(1.0\% +0.05\Omega)$
Temperature Cycling	$\pm(1.0\% +0.05\Omega)$
Low Temp. Operation	$\pm(1.0\% +0.05\Omega)$
Terminal Strength	$\pm(1.0\% +0.05\Omega)$
Moisture Resistance	$\pm(5.0\% +0.05\Omega)$
Load Life	$\pm(3.0\% +0.05\Omega)$

■ RATINGS

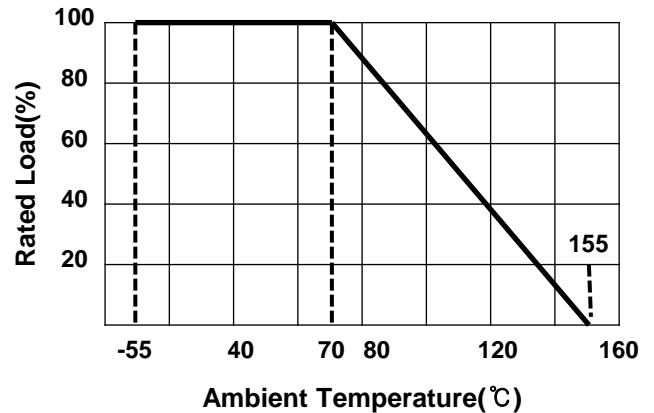
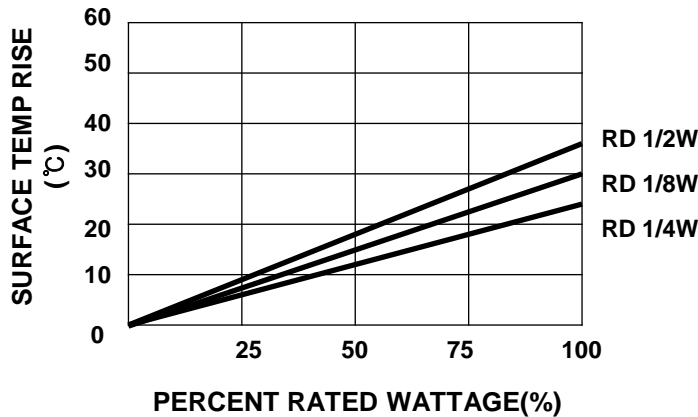
TYPE	Power Rating	Max Working Vol	Max Overload Vol	D.W.V	Rating Ambient Temp	Operating Temp Range	Resistance Range	
							E-24 • G($\pm 2\%$)	E-24 • J($\pm 5\%$)
RD 1/8W	0.125W	150V	300V	300V	+70 °C	-55 °C ~ +155 °C	10 Ω - 1M Ω	2.2 Ω - 2.2M Ω
RD 1/4W	0.25W	250V	500V	500V	+70 °C	-55 °C ~ +155 °C	10 Ω - 1M Ω	2.2 Ω - 5.1M Ω
RD 1/2W	0.5W	300V	600V	600V	+70 °C	-55 °C ~ +155 °C	10 Ω - 1M Ω	2.2 Ω - 5.1M Ω
RDS 1/2W	0.5W	300V	600V	600V	+70 °C	-55 °C ~ +155 °C	10 Ω - 1M Ω	2.2 Ω - 5.1M Ω

■ DIMENSIONS



TYPE	Dimensions (mm)			H±3
	L	D	d(nominal)	
RD 1/8W	3.2±0.2	1.7±0.2	0.45	25
RD 1/4W	6.5±0.5	2.3±0.2	0.58	
RD 1/2W	9.0±0.5	3.2±0.5	0.58	
RDS 1/2W	6.5±0.5	2.3±0.2	0.58	

■ SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD & DERATING CURVES



■ HOW TO ORDER

RD	1/4W	100Ω	J
TYPE	POWER RATING	NOMINAL RESISTANCE	RESISTANCE TOLERANCE

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