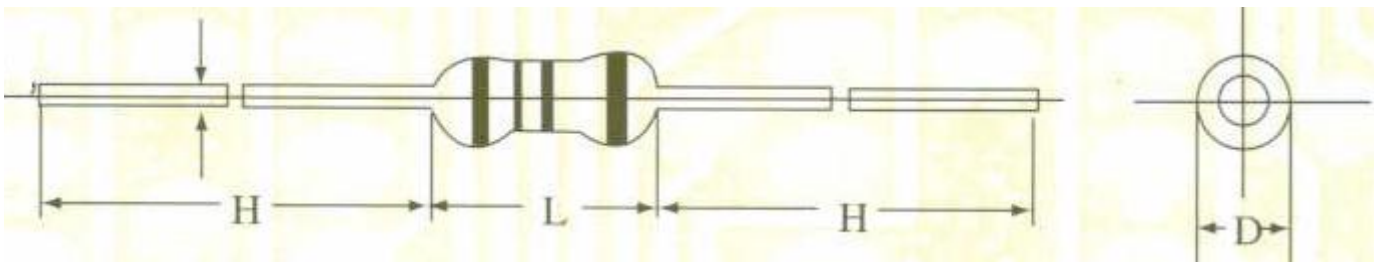
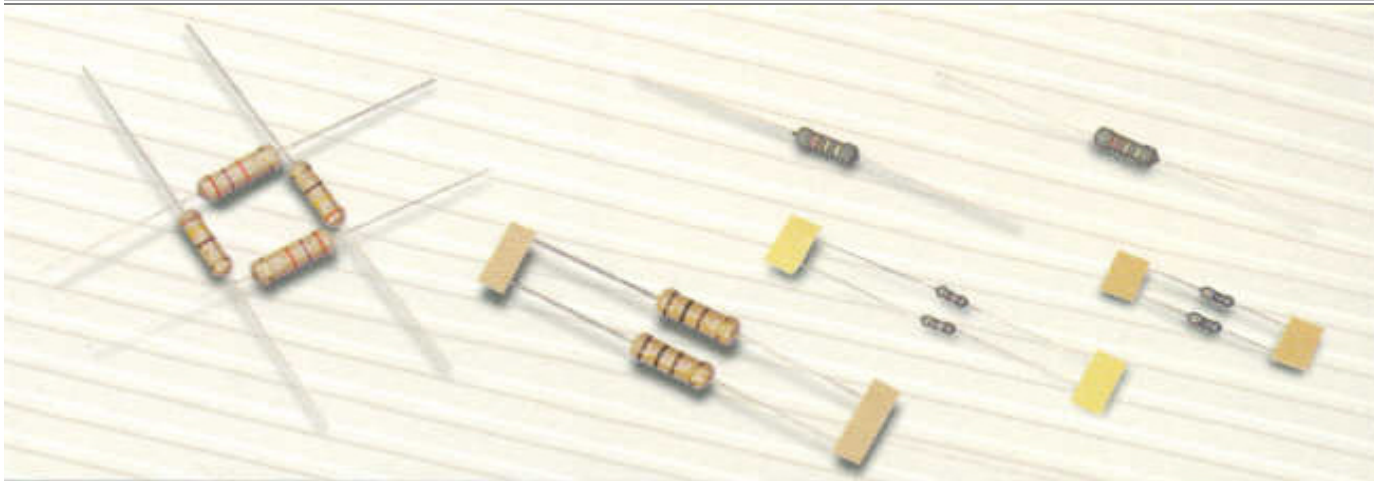


RD Carbon Film Fixed Resistors



2. Features

High quality performance

Great economy

Flame resistance type available

Automatically insertion

RD Series

Carbon Film Fixed Resistor

TYEIE



Lead Free

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3. EXPLANATION ON SPECIFICATIONS

Style	Power rating at 70 °C	Dimension					Max working voltage	Max overload voltage	Dielectric withstanding voltage	Resistance range
		D Max	L Max	+0.02 d -0.05	H ±3					
Normal Size										
RD1/8W	CFR-12	1/8W	1.85	3.5	0.5	28	200V	400V	400V	1Ω~10MΩ
RD1/4W	CFR-25	1/4W	2.5	6.8	0.6	28	250V	500V	500V	1Ω~10MΩ
RD1/2W	CFR-50	1/2W	3.5	10	0.6	28	350V	700V	700V	1Ω~10MΩ
RD1W	CFR-100	1W	5.5	16	0.8	28	500V	1000V	1000V	1Ω~10MΩ
RD2W	CFR-200	2W	6.5	17.5	0.8	28	500V	1000V	1000V	1Ω~10MΩ
Small Size										
RD1/4WS	CFR-25-S	1/4W	1.85	3.5	0.5	28	200V	400V	400V	1Ω~10MΩ
RD1/2WS	CFR-50-S	1/2W	2.5	6.8	0.6	28	250V	500V	250V	1Ω~10MΩ
RD1WS	CFR-100-S	1W	5	12	0.7	28	500V	1000V	1000V	1Ω~10MΩ
RD2WS	CFR-200-S	2W	5.5	16	0.8	28	500V	1000V	1000V	1Ω~10MΩ
RD3WS	CFR-300-S	3W	6.5	17.5	0.8	28	500V	1000V	1000V	1Ω~10MΩ

4. EXPLANATION ON PART NUMBERS

RD	25 [S]	H	103	J
Carbon Film Resistor	Series	Packaging	Nominal Resistance	Resistance Tolerance
	16-1/8W(1/6W)	T5-T52		
	25-1/4W	T2-T26	10KΩ	J- ±5%
	50-1/2W	H-H Type		G- ±2%
	[S]-miniature size	F-F Type		
		R-Rabial Type		

Standard E-24 series Values in ± 5% tolerance

Standard yellowish brown color for Normal Size product; grass green color for Small Size product

For any special inquiry , including too low or too high ohmic values is available on a case to case basis

5. Performance Specifications

Temperature coefficient $\pm 300\text{PPM}/^\circ\text{C}$ for $\leq 10\Omega$

$\pm 450\text{PPM}/^\circ\text{C}$ for $\leq 11\Omega \sim 99\text{k}\Omega$

$0 \sim -700\text{PPM}/^\circ\text{C}$ for $100\text{k}\Omega \sim 1\text{M}\Omega$

$0 \sim -1500\text{PPM}/^\circ\text{C}$ for $1.1\text{Mk}\Omega \sim$

$10\text{M}\Omega$

Short-time overload $\Delta R/R \leq \pm(1\%+0.05\Omega)$, with no evidence of mechanical damage

Insulation resistance Min 1,000 Mega Ohm

Dielectric withstanding voltage No evidence of flashover, mechanical damage, bending or insulation leakage.

Pulse overload $\Delta R/R \leq \pm(1\%+0.05\Omega)$, with no evidence of mechanical damage

Terminal strength No evidence of mechanical damage

Resistance to soldering heat $\Delta R/R \leq \pm(1\%+0.05\Omega)$, with no evidence of mechanical damage

Solderability Min. 95% coverage.

Resistance to solvent No deterioration of the protective coating and markings

Temperature cycling $\Delta R/R \leq \pm(1\%+0.05\Omega)$, with no evidence of mechanical damage

Load life in humidity Normal type $\Delta R/R \leq \pm 3\%$ for $< 100\text{k}\Omega$, $\pm 5\%$ for $< 100\text{k}\Omega$

Flame resistance type $\Delta R/R \leq \pm 5\%$ for $100\text{k}\Omega$, $\pm 10\%$ for $100\text{k}\Omega$

Load life Normal Type: $\Delta R/R \leq \pm 2\%$ for $< 56\text{k}\Omega$, $\pm 3\%$ for $< 56\text{k}\Omega$

Flame resistance type: $\Delta R/R \leq \pm 5\%$ for $< 100\text{k}\Omega$, $\pm 10\%$ for $< 100\text{k}\Omega$