

Axial Wirewound Resistors



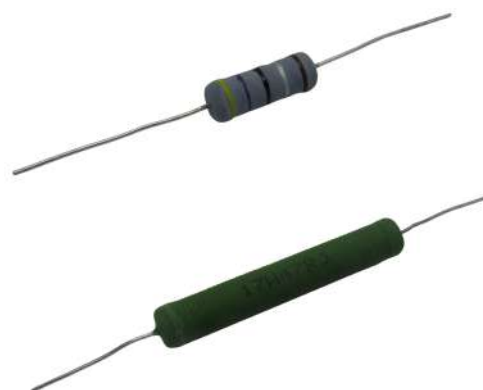
Features

- Superior heat resistance
- Superior pulse resistance
- Wide range of resistance values available
- Good electrical stability, reliability and mechanically very rigid
- Flameproof coating

PART NUMBER

Example: RND 1551W22RF

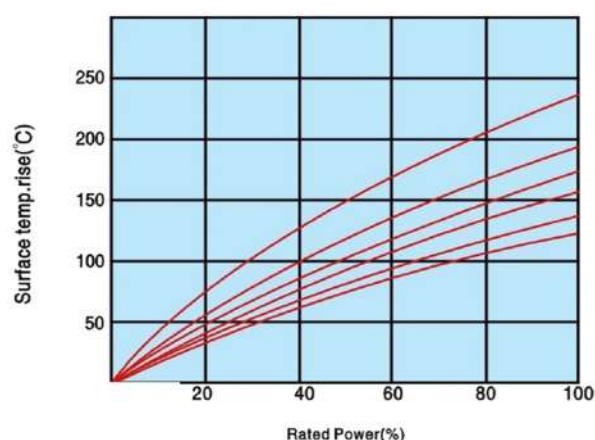
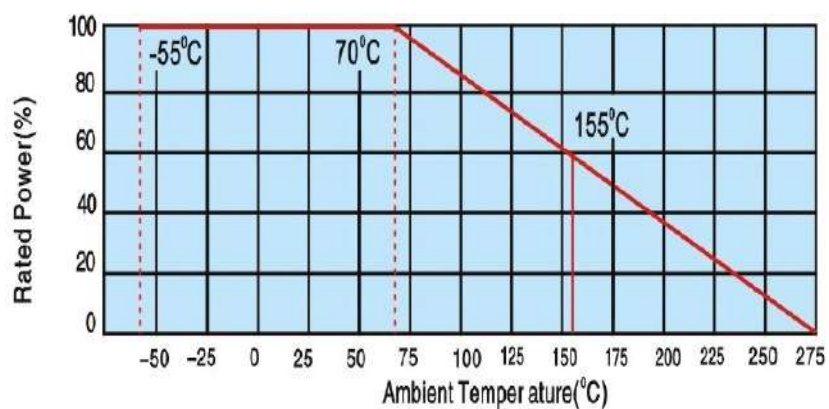
RND 155	1W	22R	F
Type	Rated Power	Resistance Value	Tolerance
		0R22 = 220 mΩ 22R=22 Ω 1000R=1 kΩ	F = ± 1% J = ± 5%



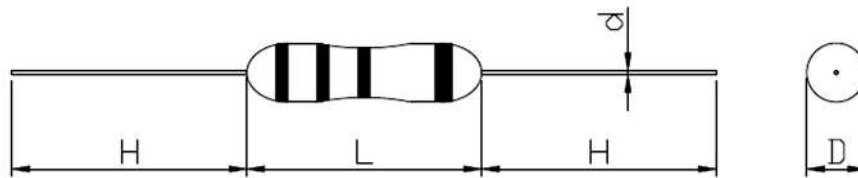
Electrical Specifications

Characteristics	Condition	Compliance
Tolerance		±1%, ±5%
Temperature Coefficient		± 300PPM/°C
Insulation Resistance		>10 ⁴ Ω
Change in resistance a. Short time overload b. Load Life c. Temperature Cycling d. Moisture Load Life	- @70°C - -	± (2% + 0.05Ω) ± (5% + 0.05Ω) ± (2% + 0.05Ω) ± (5% + 0.05Ω),
Solderability (where applicable)		>95%

Power Derating Curve and Surface Temperature Rise



Drawing and Dimensional Details



Rated Power (W)	Resistance Range	L	D	d	H
1	0.22 Ω -1 k Ω	9.0 $\pm$ 1.0	3.2 $\pm$ 0.5	0.50 $\pm$ 0.02	25 $\pm$ 3
2	4.7 Ω -100 Ω	11.0 $\pm$ 1.0	4.5 $\pm$ 0.5	0.65 $\pm$ 0.02	25 $\pm$ 3
3	0.1 Ω -1 k Ω	15.0 $\pm$ 1.0	5.0 $\pm$ 1.0	0.70 $\pm$ 0.02	25 $\pm$ 3
4	0.1 Ω -1 k Ω	15.0 $\pm$ 1.0	5.0 $\pm$ 1.0	0.70 $\pm$ 0.02	25 $\pm$ 3
5	0.1 Ω -1 k Ω	17.0 $\pm$ 1.0	6.0 $\pm$ 1.0	0.70 $\pm$ 0.02	25 $\pm$ 3
10	4.7 Ω -1 k Ω	32.0 $\pm$ 1.0	8.5 $\pm$ 1.0	0.70 $\pm$ 0.02	25 $\pm$ 3
12	22 Ω -100 Ω	37.0 $\pm$ 1.0	8.5 $\pm$ 1.0	0.70 $\pm$ 0.02	25 $\pm$ 3
20	15 Ω -1 k Ω	52.0 $\pm$ 1.0	8.5 $\pm$ 1.0	0.70 $\pm$ 0.02	25 $\pm$ 3