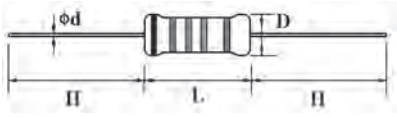
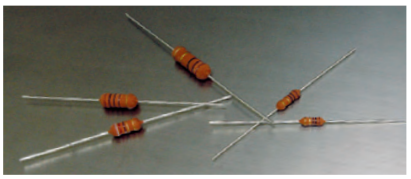
Feature

- Ideal circuit opening controller, disconnecting units from overload rating specified
- Too low or too high ohmic value can be supplied on a case to case basis





Fusing Characteristics

Resistance Value	Test Wattage	Fusing Time
≤2.2Ω	32 X Power Rating	≤ 60 seconds
>2.2Ω	16 X Power Ratring	≤ 60 seconds

The fusing test current or voltage should be stable, change within 5%.

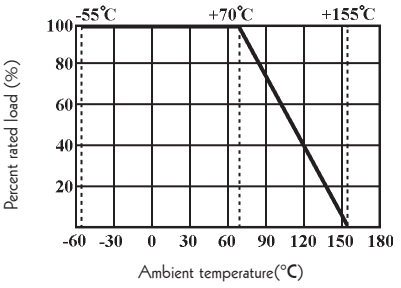
Specification

Part No.	Type	Power Rating at 70°C	Dimension (mm)				Dielectric Withstanding Voltage	Resistance Range
			D Max.	L Max.	d±0.05	H±3		
FRN0W4	FRN-25	1/4W	2.7	6.8	0.54	28	300V	0.22Ω ~ 10KΩ
FRN0W2	FRN-50	1/2W	3.0	9.0	0.54	28	350V	0.22Ω ~ 10KΩ
FRN01W	FRN-100	1W	4.5	10	0.65	28	350V	0.22Ω ~ 10KΩ
FRN02W	FRN-200	2W	5.0	12	0.65	28	600V	0.22Ω ~ 10KΩ
FRN03W	FRN-300	3W	5.5	16	0.70	28	600V	0.22Ω ~ 10KΩ

Performance Specification

Temperature coefficient	± 350PPM / °C
Short-time overload	ΔR/R ≤ ±(2%+0.05Ω), with no evidence of mechanical damage
Dielecric withstanding voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown
Terminal strength	No evidence of mechanical damage
Resistance to soldering heat	ΔR/R ≤ ±(1%+0.05Ω), with no evidence of mechanical damage
Solderability	Min. 95% coverage
Temperature cycling	ΔR/R ≤ ±(2%+0.05Ω), with no evidence of mechanical damage
Load life in humidity	ΔR/R ≤ ±(5%+0.05Ω), with no evidence of mechanical damage
Load life	ΔR/R ≤ ±(5%+0.05Ω), with no evidence of mechanical damage
Flame retardant	Not have any speciments which burn with flaming combustion after each application of the test flame

Derating Curve



Ordering Procedure (Example: FRN 1W 5% 1Ω T/B-1000)

F R N 0 1 W J 0 1 0 J A 1 0

Product Type:
FRN = Fusible Resistors

Special Feature:
0 = Standard

Wattage:
W4 = 1/4W
W2 = 1/2W
1W = 1W
2W = 2W
3W = 3W

Tolerance:
G = ±2%
J = ±5%
K = ±10%

Resistance Value:
5% (E-24 series):
the 1st digit is "0", the 2nd & 3rd digits are for the significant figures of the resistance and the 4th indicate the numbers of zeros following

Packing Type:
A = Tape/Box
T = Tape/Reel
B = Bulk/Box

Packing Qty.:
1 = 1,000pcs
2 = 2,000pcs
3 = 3,000pcs
4 = 4,000pcs
5 = 5,000pcs
A = 500pcs
B = 2,500pcs,
0 = Bulk/Box

Additional Information:
0 = NIL