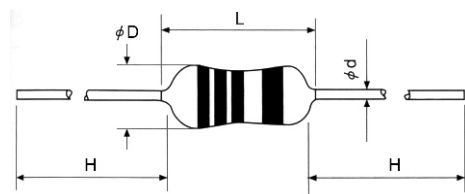


Non-Inductance Resistors



Eatures  
Pules Protective  
Solvent Retardant  
Color Coding

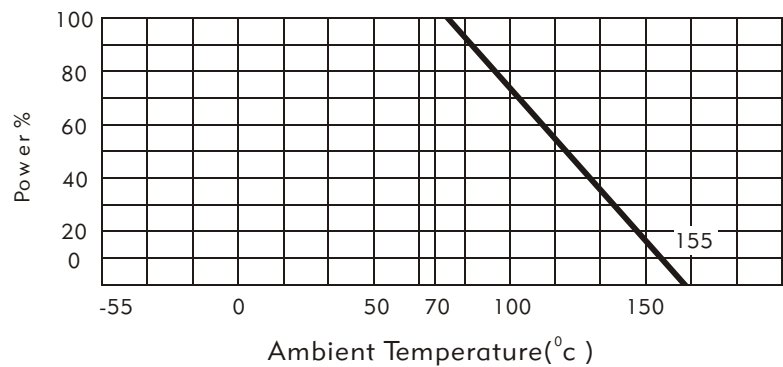
Dimensions

| Type No. | Body(m/m) |             | Length(H) | Diameter(d) | Met weight<br>Per 1000pcs |
|----------|-----------|-------------|-----------|-------------|---------------------------|
|          | Length(L) | Diameter(D) |           |             |                           |
| NIR-0207 | 6.2±1.0   | 2.8±0.2     | 26±3.0    | 0.55±0.1    | 300GRAMS                  |
| NIR-0309 | 8.8±1.0   | 3.2±0.2     | 28±3.0    | 0.60V0.1    | 340GRAMS                  |

Specifications

| Type No. | Power<br>Rating<br>At70°C | Max.<br>Working<br>Voltage | Max.<br>Overload<br>Voltage | Resistance<br>Range |      | Resistance<br>Tolerance | Standrad<br>Resistance<br>Values |
|----------|---------------------------|----------------------------|-----------------------------|---------------------|------|-------------------------|----------------------------------|
|          |                           |                            |                             | Min.                | Max. |                         |                                  |
| NIR-0207 | 1/4W                      | 350V                       | 500V                        | 1OHM                | 22MΩ | ±5%±10%                 | E-24 E-12                        |
| NIR-0309 | 1/2W                      | 350V                       | 700V                        | 1OHM                | 33MΩ | ±5%±10%                 | E-24 E-12                        |

Power Derating Curve



2. Part Number:

NIR0207 -

Taping Method -

Value -

J -

Forming Type

TB / TR / BULK

Resistance Tolerance

Resistors Value

PANA / EM / MG

Din Size, Body Size

NON-Inductance Resistor

EXAMPLE : NIR 1/4W 1K OHM 5% OUR PARTS NUMBER  
TB NO. : NIR0207TB102J  
PANA NO. : NIR0207TB102J-R

Wire Wound Resistors Flame-  
Proof Coating(WR-F)

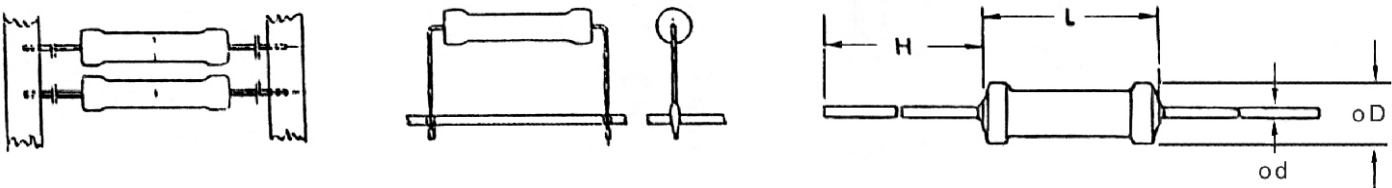
Standard Dimensions (mm)

| Type                       | WR-F-04111 | WR-F-04161  | WR-F-04162  | WR-F-04163  |
|----------------------------|------------|-------------|-------------|-------------|
| Rated Power                | 1W         | 1W          | 2W          | 3W          |
| L MAX                      | 11         | 16          | 16          | 16          |
| D MAX                      | 4          | 4           | 4           | 4           |
| H                          | 28±2       | 28±2        | 28±2        | 28±3        |
| h±0.05                     | 0.78       | 0.80        | 0.80        | 0.80        |
| Resistance<br>Rang Min/max | 0.1Ω ~680Ω | 0.1Ω ~1.2KΩ | 0.1Ω ~1.2KΩ | 0.1Ω ~1.2KΩ |

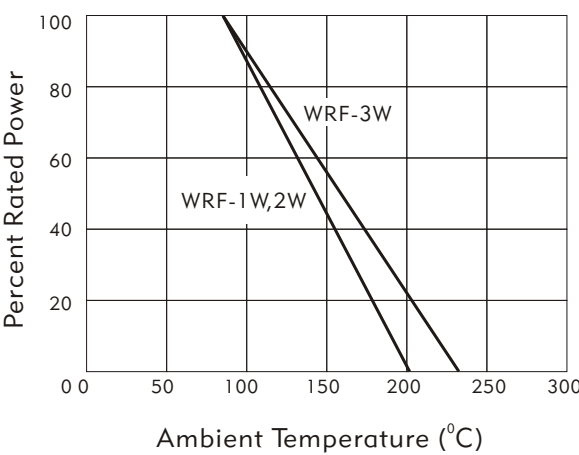
Characteristics

| Test Item                          | Specifications               |
|------------------------------------|------------------------------|
| Rated Ambient Temperature          | 85°C                         |
| Overload 15times The Rated Wattage | Open Circuit Within 2Minutes |
| Short Time Overload                | ±3.0%+0.05Ω                  |
| Effective Soldering                | ±2.0%+0.05Ω                  |
| Insulation Resistance              | >100MΩ                       |
| Dielectric Withstanding Volt       | ±2%+0.05Ω                    |
| Load Life                          | ±5%+0.05Ω                    |
| Moisture Resistance                | ±5%+0.05Ω                    |
| Vibration Proof                    | ±1%+0.05Ω                    |
| Solderability                      | 90%COVERED MIN.              |
| Temperature Coefficient            | ±500/°C                      |

THE RESISTOR IS FABRICATED USING A FIBREGLASS CORE AS IT BODY WITH THE RESISTANCE WIRE SECURELY CRIMPED TO THE TERMINALS.  
THE TAPING DIMENSION OTHER THAN THE STANDARD ARE ALSO AVAILABLE AS PER OUR TAPING SPECIFICATIONS.  
PACKAGING: TAPED/REEL, TAPED/BOX AND BULK.  
FORMING: MG



Power Derating



Temperature Rise

