

RF Series, High Frequency Power Resistors

Thick film, Non-Inductive



RF and Frequency Powers, in water forced , in Oil, in Air

Willow offers the RF series to meet general set of requirements NON-INDUCTIVE high frequency, satisfy with an high power and Non-inductive specification at Economic Price.

Series RF Precision Power Resistor, Non-Inductive

High Frequency

Non Inductive Performance

Full power and various ohmic ratings



- * Resistance tolerances offered from 1.0% to 10%
- * Load Life Stability of 0.5% per 1000hours.
- * Various Models of Resistance Value up to Megohms available.
- * Build up High Power RF Termination System :10kW,50kW,300kW System in oil or water forced, required tank & chiller System.

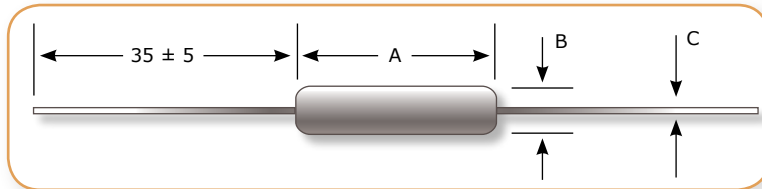
| Model Nr. | Wattage | Resistance [ohm] Min. Max. | Dimensions in millimeters (inches) | | | Melf Type |
|-----------|---------|---------------------------------|---------------------------------------|------------------|--------------|-----------|
| | | | A | B | C | |
| RF07 | 0.7 | 20R 2M | 15(.59) | 5.0(.196) | 0.8 | N/A |
| RF2 | 2.0 | 20R 2M | 24.0+/-1.5 (.944) | 8.0+/-1.0 (.314) | 1.00 | Available |
| RF3 | 3.0 | 20R 2M | 39.0+/-1.5 (1.535) | 8.0+/-1.0 (.314) | 1.00 | Available |
| RF5 | 5.0 | 20R 2M | 52.0+/-1.5 (2.047) | 8.0+/-1.0 (.314) | 1.00 | Available |
| RF50 | 50 | 20R 2M | 110+/-1.5 (4.33) | 33+/-1 (1.29) | M6 tab axial | N/A |
| RF100 | 100 | 20R 2M | 210+/-1.5 (8.50) | 33+/-1 (1.29) | M6 tab axial | N/A |
| RF150 | 150 | 20R 2M | 310+/-1.5 (12.2) | 33+/-1 (1.29) | M6 tab axial | N/A |
| RF200 | 200 | 20R 2M | 310+/-1.5 (12.2) | 42+/-1 (1.65) | M6 tab axial | N/A |

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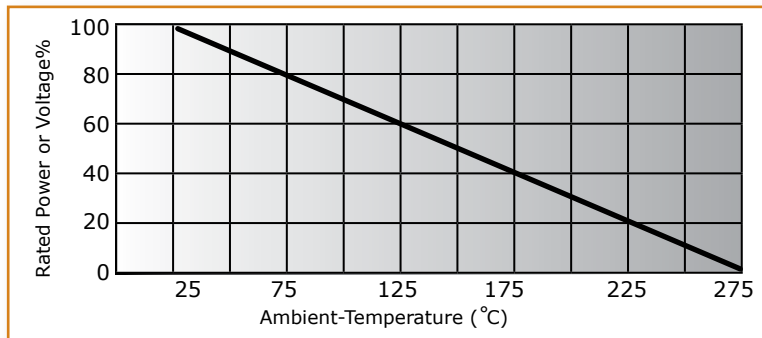
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DIMENSIONS [mm]



DERATING CURVE



APPLICATION GUIDE ; RF SERIES

- RF Termination
- RF Dummy Load
- Wave Form Load
- High Frequency
- Charging/Discharging
- AVR , UPS
- Current dividing
- Elevators control
- Electrical Trains
- Experimentals
- High Frequency Circuits
- Inverters
- Power Braking
- Military
- Hoist Cranes
- Motor Dynamic Braking
- Industrial Vehicles
- Power Supply
- Medical Equipments
- Server Drivers
- Power Loaders
- Snubbers
- Telecomm Equipments
- Shunt
- Testing Equipments
- Inrush Current Limiters
- Preloads
- Dummy Loads
- Rectifier
- Soft Start
- EMI Suppressions

SPECIFICATIONS

Resistance Tolerance :
1%, 2%, 5%, 10%

Temperature Coefficient :
Std. 100ppm/ °C, referenced to 25°C, from -15°C to +105°C, other TCR available upon requests.

Overload :
5times rated power with applied voltage not to exceed 1.5times Max. continuous operating voltage for 5seconds, overload/ overvoltage ΔR 0.50% typ.

Thermal Shock :
Mil-Std-202, Method- 107, Cond. C, ΔR 0.50% max.

Load Life :
1.000 hours at rated power ΔR 0.5% at DC
AC: ΔR 3.0% at repetitive pulse energy

Moisture Resistance:
Mil-Std-202, Method 106, ΔR 0.50% max.

Lead Material : RF07 ~RF5 ;
Tinned copper solderable wire

Insulation Resistance :
10,000Megohms Min.

Termination Cap of Material :
RF07~RF5 ; Tinned Cap & Wire
RF50~RF200; AL alloy Cap M6.

Encapsulation :
High frequency silicone conformal, Glass

cf.: The described specifications & dimensions subject to change without notice.