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 Performence
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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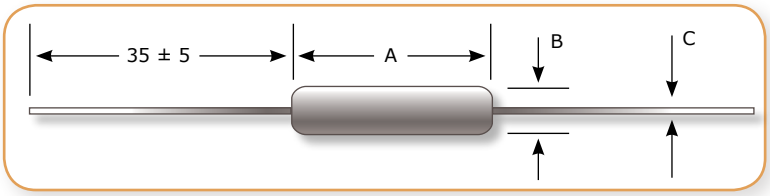
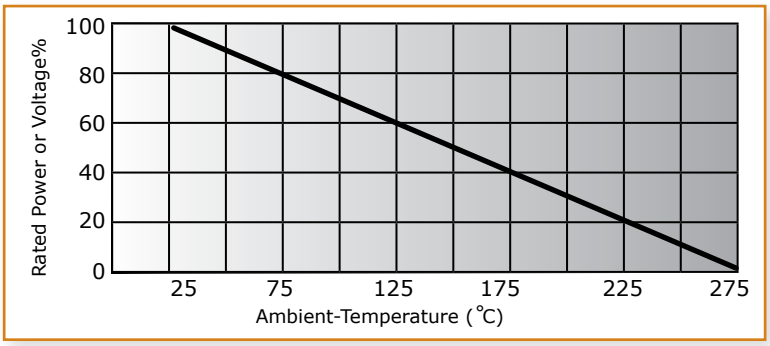
Dimensions [mm]



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
- Inrrush Current Limiters
- Preloads
- Dummy Loads
- Rectifier
- Soft Start
- EMI Suppresions

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 repetivepulse 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.

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