

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.

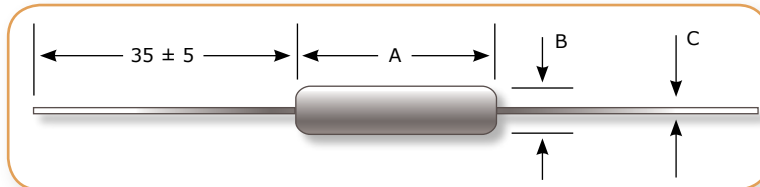
Model Nr.	Wattage	Resistance [ohm] Min. Max.	Dimensions in millimeters (inches)			Melf Type
			A	B	C	
RF07	0.7	20R 2M	15(.59)	5.0(.196)	0.8	N/A
RF2	2.0	20R 2M	24.0+/-1.5 (.944)	8.0+/-1.0 (.314)	1.00	Available
RF3	3.0	20R 2M	39.0+/-1.5 (1.535)	8.0+/-1.0 (.314)	1.00	Available
RF5	5.0	20R 2M	52.0+/-1.5 (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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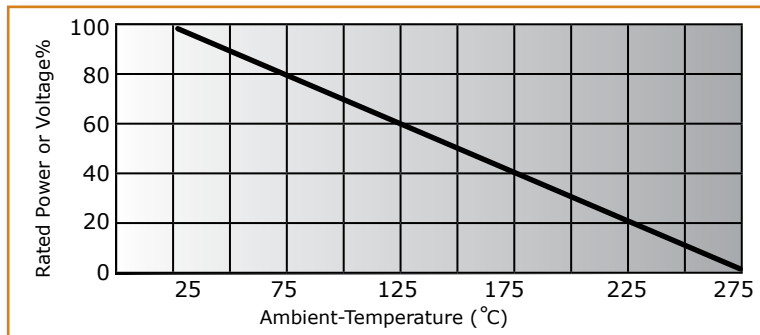
Thick film, Non-Inductive



DIMENSIONS [mm]



DERATING CURVE



APPLICATION GUIDE ; RF SERIES

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

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.