

Series, High Frequency Power Resistors
Thick film, Non-Inductive

VOICE : +82-31-429-6379
FAX : +82-31-429-9127
E-MAIL : info@3RLab.com



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

3RLAB 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

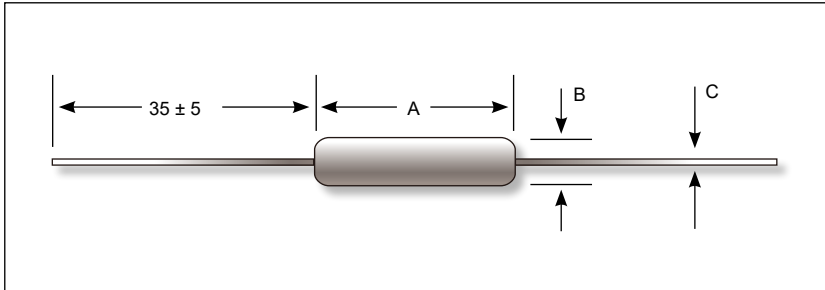
- * Resistance tolerances offered from 1.0% to 5%
- * Load Life Stability of 0.5% per 1000hours.
- * Various Models of Resistance Value up to Megohms available.
- * Build up High Power RF Termination System :
10kW, 50kW, 300kW System in oil or water forced, required tank & chiller System.

Model Nr.	Watt age	Max. Cotinuou- sOper. Volt[kV]**	Resistance [ohm] Min.Max.	Dimensions in millimeters (inches)			Melf Type
				A	B	C	
RF07	0.7	2.5	20R 200K	15(.59)	5.0 (.196)	0.8	N/A
RF2	2.0	5.5	20R 200K	24.0+/-1.5 (.944)	8.0+/-1.0 (.314)	1.00	Available
RF3	3.0	10	20R 200K	39.0+/-1.5 (1.535)	8.0+/-1.0 (.314)	1.00	Available
RF5	5.0	15	20R 200K	52.0+/-1.5 (2.047)	8.0+/-1.0 (.314)	1.00	Available
RF50	50	35	20R 200K	110+/-1.5 (4.33)	32+/-1.5 (1.26)	M6 tab axial	N/A
RF100	100	70	20R 200K	210+/-1.5 (8.50)	32+/-1.5 (1.26)	M6 tab axial	N/A
RF150	150	100	20R 200K	310+/-1.5 (12.2)	32+/-1.5 (1.26)	M6 tab axial	N/A
RF250	250	100	20R 200K	310+/-1.5 (12.2)	42+/-1.5 (1.65)	M8 tab axial	N/A

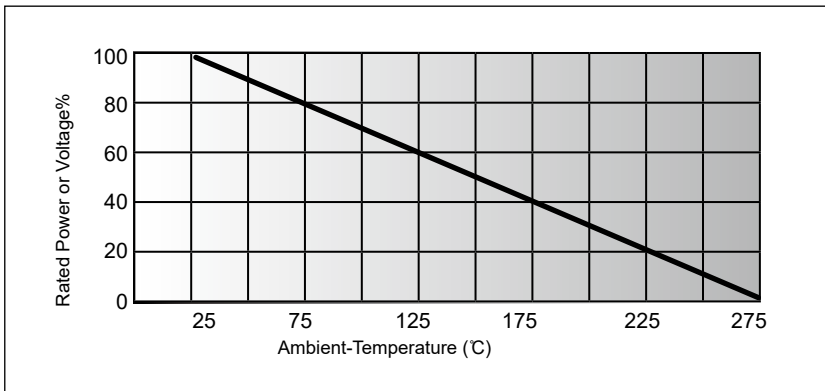
Series, High Frequency Power Resistors
Thick film, Non-Inductive

VOICE : +82-31-429-6379
FAX : +82-31-429-9127
E-MAIL : info@3RLab.com

DIMENSIONS [mm]



DERATING CURVE



APPLICATION GUIDE ; RF SERIES

- | | |
|---|---|
| <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Power Supply • Medical Equipments • Server Drivers • Power Loaders • Snubbers • Telecomm Equipments • Shunt • Testing Equipments • Inrush Current Limiters • Preloads • Dummy Loads • Rectifier • Soft Start • EMI Suppresions |
|---|---|

SPECIFICATIONS

Resistance Tolerance :
1%,2%,5%

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.