

RESISTORS ROD

DC - 40 GHz CARBON FILM



MODELS:

SPECIFICATIONS:

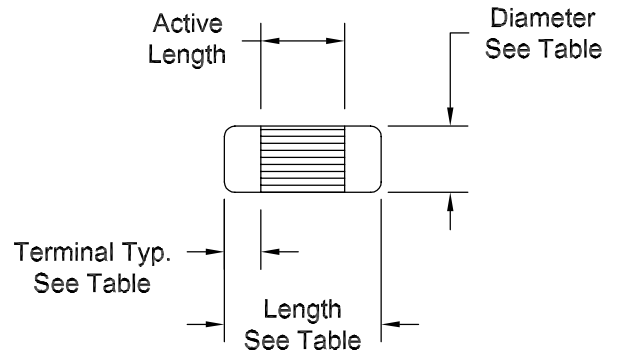
DC-40 GHz Performance / Excellent Uniformity
Minimum Non-Inductive Adjustment / Solderable Terminals

Electrical:

Resistance Range _____ 1 - 600 Ohms
Resistance Tolerance _____ ±1% Standard
(±0.1% Available upon Request)
Power Handling _____ 0.10 - 50 Watts (See Table)
(Depending upon Size and Heatsinking)
Temperature Coefficient _____ -250 ppm

Mechanical:

Substrates _____ High Quality Alumina & BeO
Protective Coating _____ Clear High-Temp Silicone Coating
Terminals
Double Plated with Nickel & Silver for Direct Soldering to
the Resistor. No Special Solders are Required. Terminals can
be Pre-Tinned upon Request.



Base Model Number	ROD DIMENSIONS*			Power (Watts)	
	Diameter	Length	Terminal	Alum.	BeO
RC 020-120	.020 ±.001 [.51 ±.03]	.120 ±.002 [3.05 ±.05]	.025 [0.64]	0.10	0.50
RC 030-130	.030 ±.001 [0.762 ±.03]	.130 ±.003 [3.30 ±.08]	.025 [0.64]	0.10	0.50
RC 040-130	.040 ±.001 [1.10 ±.03]	.130 ±.002 [3.30 ±.05]	.025 [0.64]	0.10	0.50
RC 050-250	.050 ±.001 [1.27 ±.03]	.250 ±.002 [6.35 ±.05]	.030 [0.76]	0.15	0.75
RC 060-125	.060 ±.001 [1.54 ±.03]	.125 ±.002 [3.18 ±.05]	.030 [0.76]	0.15	0.75
RC 060-187	.060 ±.001 [1.54 ±.03]	.187 ±.002 [4.75 ±.05]	.030 [0.76]	0.15	0.75
RC 060-250	.060 ±.001 [1.54 ±.03]	.250 ±.002 [6.35 ±.05]	.030 [0.76]	0.25	1.00
RC 080-250	.080 ±.001 [2.03 ±.03]	.250 ±.004 [6.35 ±.10]	.030 [0.76]	0.25	1.00

Base Model Number	ROD DIMENSIONS*			Power (Watts)	
	Diameter	Length	Terminal	Alum.	BeO
RC 120-250	.120 ±.002 [3.05 ±.05]	.250 ±.002 [6.35 ±.05]	.060 [1.52]	2.00	4.00
RC 120-375	.120 ±.002 [3.05 ±.05]	.375 ±.003 [9.53 ±.08]	.060 [1.52]	2.00	4.00
RC 120-500	.120 ±.002 [3.05 ±.05]	.500 ±.005 [12.70 ±.13]	.060 [1.52]	2.00	4.00
RC 125-500	.125 ±.002 [3.18 ±.05]	.500 ±.005 [12.70 ±.13]	.060 [1.52]	2.00	5.00
RC 250-750	.250 ±.003 [6.35 ±.08]	.750 ±.005 [19.05 ±.13]	.120 [3.05]	3.00	7.00
RC 250-1000	.250 ±.003 [6.35 ±.08]	1.000 ±.005 [25.40 ±.13]	.250 [6.40]	3.00	10.00
RC 250-1500	.250 ±.003 [6.35 ±.08]	1.500 ±.005 [38.10 ±.13]	.250 [6.40]	5.00	15.00
RC 250-2000	.250 ±.003 [6.35 ±.08]	2.000 ±.005 [50.80 ±.13]	.250 [6.40]	5.00	25.00
RC 375-750	.370 ±.003 [9.40 ±.08]	.750 ±.005 [19.05 ±.13]	.125 [3.20]	N/A	50.00

HOW TO ORDER:

Model Number: RC XXX-YYMMRRR-1

Outer Diameter | Length | Material | Resistance | ±1% Tolerance

BE = Beryllium Oxide
AL = Alumina
AN = Aluminum Nitride

Ordering Examples:

Model Number: RC 040-090AL295-1
Ø.040 x .090 LG; Alumina; 295 Ohms ±1%

Model Number: RC 250-750BE50-1
Ø.250 x .750 LG; Beryllium Oxide; 50 Ohms ±1%

Model Number: RC 125-500AL75-1
Ø.125 x .500 LG; Alumina; 75 Ohms ±1%

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

*OTHER SIZES AND COATINGS ARE AVAILABLE.
CONTACT YOUR REPRESENTATIVE OR INMET CORPORATION