Microwave Carbon Rod Resistors

■ MECHANICAL SPECIFICATIONS



Substrate: Alumina or Beryllium Oxide Ceramic (Note: Letter

"P" Denotes Beryllium Oxide.)

Std. Tolerance: Standard Resistance Tolerance ± 2% at 25°C

Terminal Areas are Nickel/Tin Plated which

Terminals: reduces oxidation thus providing a more

solderable terminal.

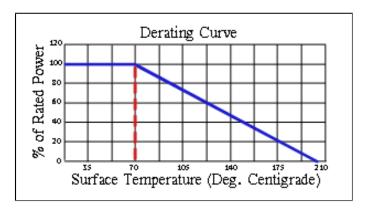
Temperature Range:

-55°C to +200°C.

high power carbon rod resistors product selection chart				
P/N	Nominal Power	O.D.	Length	Terminal
C40R115	1/10 W	0.039" - 0.044"	0.110" - 0.120"	0.020" - 0.040"
C60R120P	10 W	0.057" - 0.065"	0.115" - 0.127"	0.020" - 0.040"
C62R187	1/8 W	0.060" - 0.066"	0.181" - 0.193"	0.040" - 0.070"
C62R187P	10 W	0.060" - 0.066"	0.181" - 0.193"	0.040" - 0.070"
C62R375P	10 W	0.060" - 0.066"	0.370" - 0.382"	0.032" - 0.062"
C98R062	1/10 W	0.095" - 0.105"	0.057" - 0.067"	0.005" - 0.020"
C125R406	1/2 W	0.123" - 0.129"	0.401" - 0.413"	0.090" - 0.125"
C125R500	1/2 W	0.123" - 0.129"	0.493" - 0.509"	0.048" - 0.078"
C125R500P	20 W	0.123" - 0.129"	0.493" - 0.509"	0.048" - 0.078"
C250R500P	25 W	0.247" - 0.255"	0.493" - 0.509"	0.110" - 0.140"
C250R750P	30 W	0.247" - 0.255"	0.740" - 0.760"	0.110" - 0.140"
C375R750P	60 W	0.370" - 0.380"	0.740" - 0.760"	0.110" - 0.140"
C125R500S	1/2 W	0.124" - 0.128"	0.490" - 0.512"	0.000" - 0.030"

P/N:C40R115

Microwave Rods



Mechanical Specifications

Substrate Material:

Alumina Ceramic.

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is $\pm 2\%$ at 25 °C. Other Tolerances are available upon request.

Nominal Power:

1/10 W.

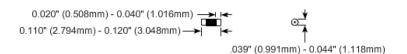
Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

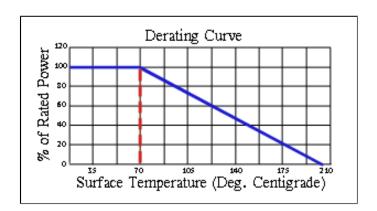
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C60R120P

Microwave Rods



Mechanical Specifications

Substrate Material:

Beryllium Oxide Ceramic.

(Note: Letter "P" denotes Beryllium Oxide.)

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is $\pm 2\%$ at 25 °C. Other Tolerances are available upon request.

Nominal Power:

10 W.

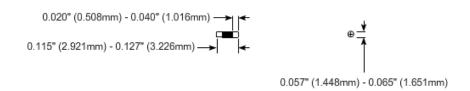
Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

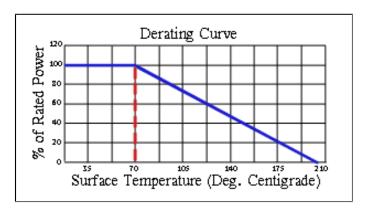
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C62R187

Microwave Rods



Mechanical Specifications

Substrate Material:

Alumina Ceramic.

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is $\pm 2\%$ at 25 °C. Other Tolerances are available upon request.

Nominal Power:

10 W.

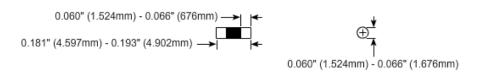
Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

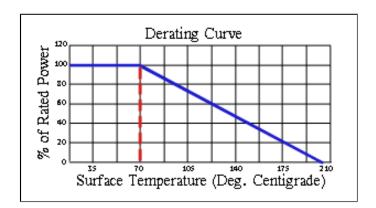
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C62R187P

Microwave Rods



Mechanical Specifications

Substrate Material:

Beryllium Oxide Ceramic.

(Note: Letter "P" denotes Beryllium Oxide.)

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is $\pm 2\%$ at 25 °C. Other Tolerances are available upon request.

Nominal Power:

10 W.

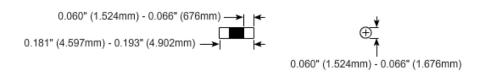
Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

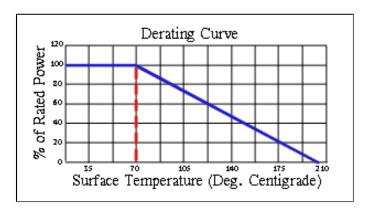
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C62R375P

Microwave Rods



Mechanical Specifications

Substrate Material:

Beryllium Oxide Ceramic.

(Note: Letter "P" denotes Beryllium Oxide.)

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is $\pm 2\%$ at 25 °C. Other Tolerances are available upon request.

Nominal Power:

10 W.

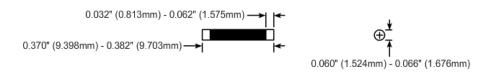
Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

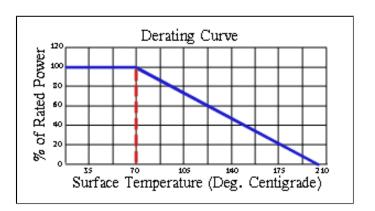
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C98R062

Microwave Rods



Mechanical Specifications

Substrate Material:

Alumina Ceramic.

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is $\pm 2\%$ at 25 °C. Other Tolerances are available upon request.

Nominal Power:

1/10 W.

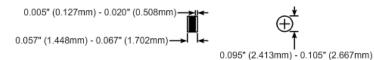
Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

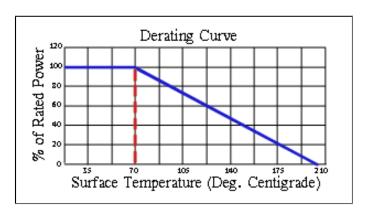
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C125R406

Microwave Rods



Mechanical Specifications

Substrate Material:

Alumina Ceramic.

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is $\pm 2\%$ at 25 °C. Other Tolerances are available upon request.

Nominal Power:

1/2 W.

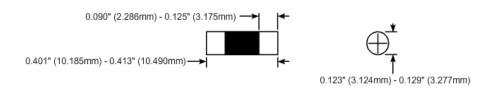
Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

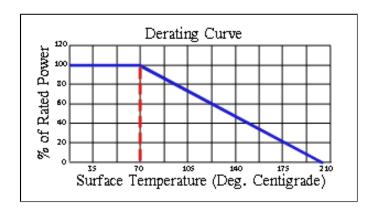
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C125R500

Microwave Rods



Mechanical Specifications

Substrate Material:

Alumina Ceramic.

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is $\pm 2\%$ at 25 °C. Other Tolerances are available upon request.

Nominal Power:

20 W.

Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

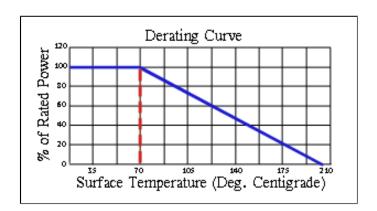
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C125R500P

Microwave Rods



Mechanical Specifications

Substrate Material:

Beryllium Oxide Ceramic.

(Note: Letter "P" denotes Beryllium Oxide.)

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is ± 2% at 25 °C. Other Tolerances are available upon request.

Nominal Power:

25 W.

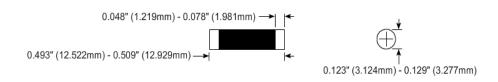
Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

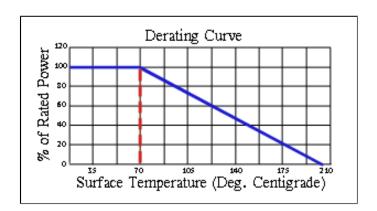
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C250R500P

Microwave Rods



Mechanical Specifications

Substrate Material:

Beryllium Oxide Ceramic.

(Note: Letter "P" denotes Beryllium Oxide.)

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is ± 2% at 25 °C. Other Tolerances are available upon request.

Nominal Power:

25 W.

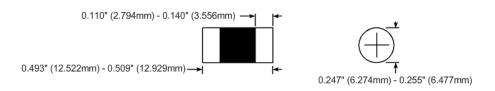
Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

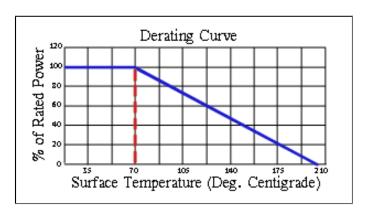
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C250R750P

Microwave Rods



Mechanical Specifications

Substrate Material:

Beryllium Oxide Ceramic.

(Note: Letter "P" denotes Beryllium Oxide.)

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is $\pm 2\%$ at 25 °C. Other Tolerances are available upon request.

Nominal Power:

30 W.

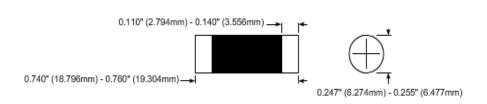
Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

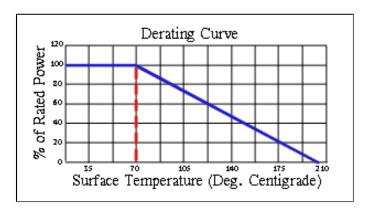
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C375R750P

Microwave Rods



Mechanical Specifications

Substrate Material:

Beryllium Oxide Ceramic.

(Note: Letter "P" denotes Beryllium Oxide.)

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is $\pm 2\%$ at 25 °C. Other Tolerances are available upon request.

Nominal Power:

60 W.

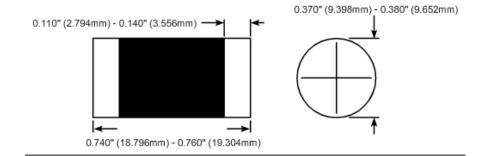
Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

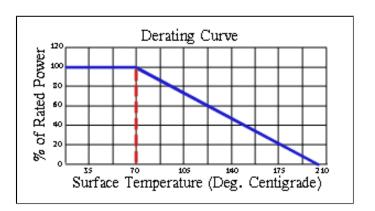
The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.





P/N:C125R500S

Microwave Rods



Mechanical Specifications

Substrate Material:

Alumina Ceramic.

Terminals:

Terminal areas are nickel / tin plated wich reduces oxidation thus providing a more solderable terminal.

Temperature Range:

-55°C to + 200°C.

Temperature Coefficient:

Standard Temperature Coefficient is - 200 to -300 PPM/°C.

Electrical Specifications

Resistance Value:

 $10 - 500 \Omega$ As required. Other values available upon request.

Standard Resistance Tolerance:

Standard Tolerance is $\pm 2\%$ at 25 °C. Other Tolerances are available upon request.

Nominal Power:

1/2 W.

Frequency Range:

D.C. to 18 GHz dependent upon how the resistors are mounted and the mounting Hardware's configuration.

Load Life:

The maximum anticipated change in resistance is 1 % when operated at listed rating for 1,000 hours.



