

Component General, Inc.

■ Stripline Base Mounted Resistors

■ MECHANICAL SPECIFICATIONS



Heat Sink :	Copper, Nickel Plated per QQ-N-290.
Substrate :	Beryllium Oxide Ceramic.
Contact :	Beryllium Copper, Gold Plated per MIL-G-45204.
Thickness :	0.004" ± 0.002".
Cover :	Alumina Ceramic.
Tolerance :	± 0.010" unless specified

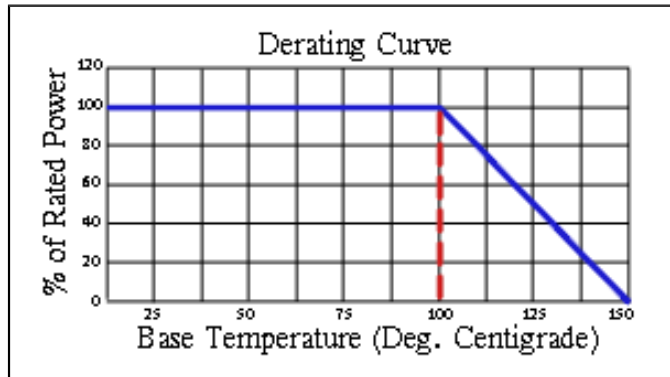
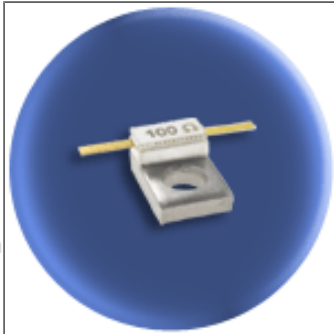
1 hole base mounted resistors product selection chart

CGI P/N	Power	Resistance (Ohms)	Frequency Range	Standard Tolerance
Note: Click a part number from the list below to see a data sheet for that part.				
CBR-10-1	10 W	10 - 1000	DC - 4.0 GHz	5 %
CBR-20-1	20 W	10 - 1000	DC - 1.0 GHz 1.0 - 2.0 GHz	2 %
CBR-20-2	20 W	10 - 1000	DC - 1.0 GHz 1.0 - 2.0 GHz	2 %
CBR-20-3	20 W	10 - 1000	DC - 1.0 GHz 1.0 - 2.0 GHz	2 %
CBR-50-1	50 W	10 - 1000	DC - .5 GHz .5 - 1.0 GHz	5 %
CBR-50-2	50 W	10 - 1000	DC - .5 GHz .5 - 1.0 GHz	5 %
CBR-50-3	50 W	10 - 1000	DC - .5 GHz .5 - 1.0 GHz	5 %

Component General, Inc.

P/N: CBR-10-1

Stripline Base Mounted Resistors



Mechanical Specifications

Covers:

Alumina Ceramic.

Substrate:

Beryllium Oxide Ceramic.

Contact:

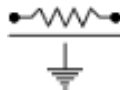
Beryllium Copper, Gold Plated per MIL-G-45204.
Length: 0.125" Min., Width: 0.040",
Thickness 0.004" ± 0.002".

Heat Sink:

Copper, Nickel Plated per QQ-N-290.

Tolerance:

± 0.010" unless specified.



Note: The use of thermal mounting compound is recommended.

Electrical Specifications

Resistance Value:

10 - 1000 Ω or as required. Other values available upon request.

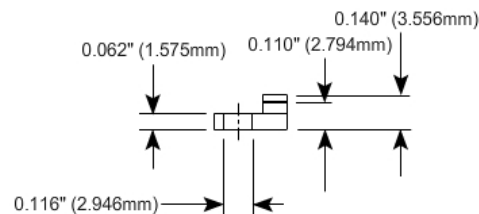
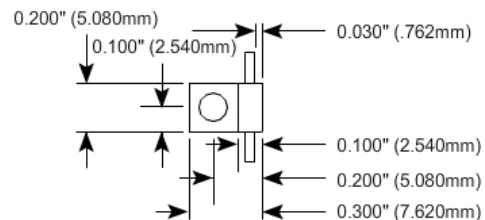
Frequency Range:

DC - 4.0 GHz

Standard Resistance Tolerance:

± 5% Other tolerances available upon request.

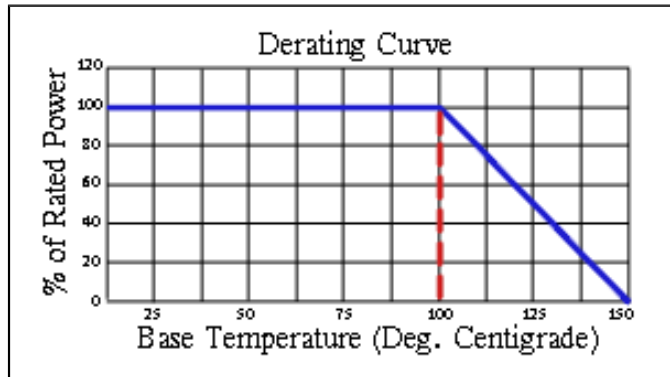
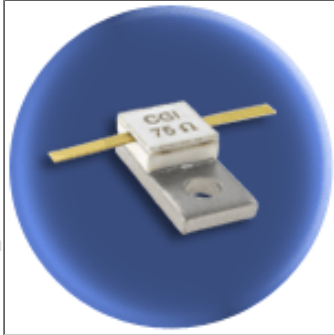
Part Dimensions



Component General, Inc.

P/N: CBR-20-1

Stripline Base Mounted Resistors



Mechanical Specifications

Covers:

Alumina Ceramic.

Substrate:

Beryllium Oxide Ceramic.

Contact:

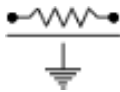
Beryllium Copper, Gold Plated per MIL-G-45204.
Length: 0.250" Min., Width: 0.060",
Thickness 0.004" \pm 0.002".

Heat Sink:

Copper, Nickel Plated per QQ-N-290.

Tolerance:

\pm 0.010" unless specified.



Note: The use of thermal mounting compound is recommended.

Electrical Specifications

Resistance Value:

10 - 1000 Ω or as required. Other values available upon request.

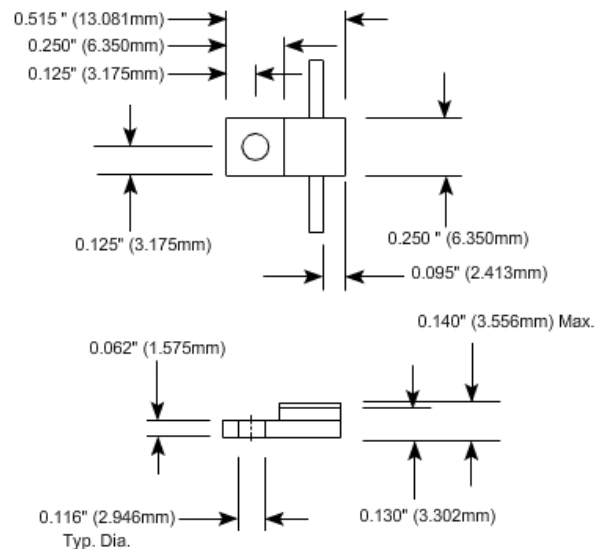
Frequency Range:

DC - 2.0 GHz

Standard Resistance Tolerance:

\pm 2% Other tolerances available upon request.

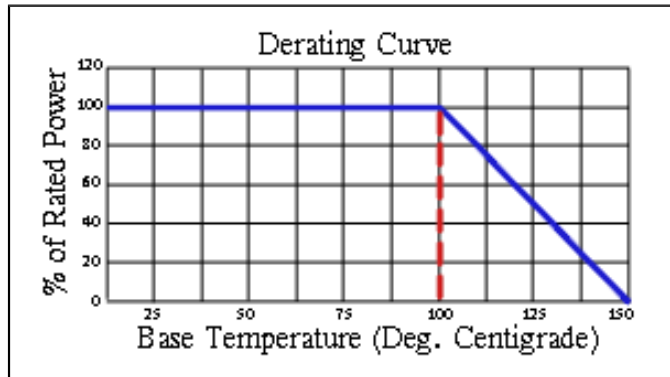
Part Dimensions



Component General, Inc.

P/N: CBR-20-2

Stripline Base Mounted Resistors



Mechanical Specifications

Covers:

Alumina Ceramic.

Substrate:

Beryllium Oxide Ceramic.

Contact:

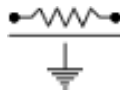
Beryllium Copper, Gold Plated per MIL-G-45204.
Length: 0.250" Min., Width: 0.060",
Thickness 0.004" \pm 0.002".

Heat Sink:

Copper, Nickel Plated per QQ-N-290.

Tolerance:

\pm 0.010" unless specified.



Note: The use of thermal mounting compound is recommended.

Electrical Specifications

Resistance Value:

10 - 1000 Ω or as required. Other values available upon request.

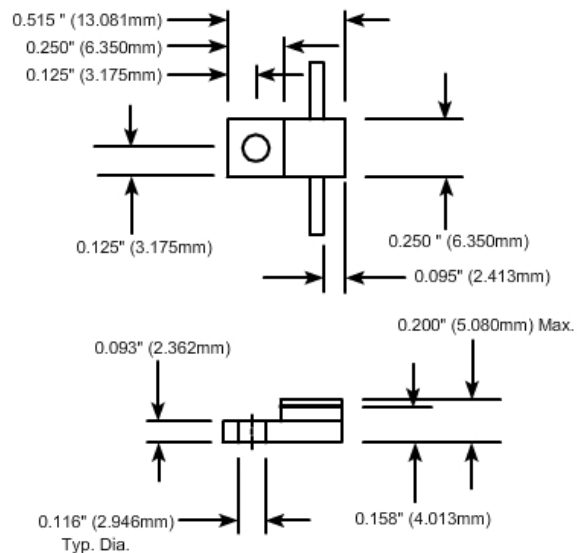
Frequency Range:

DC - 2.0 GHz

Standard Resistance Tolerance:

\pm 2% Other tolerances available upon request.

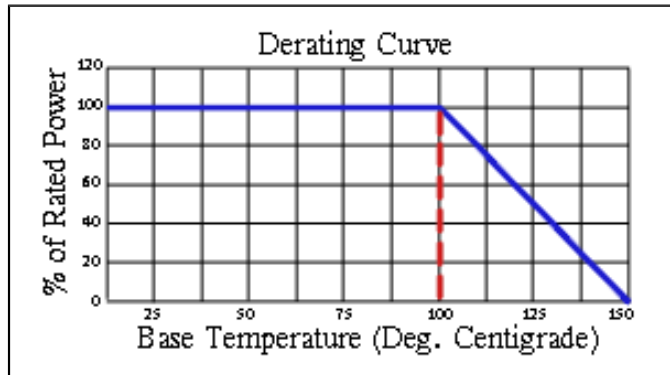
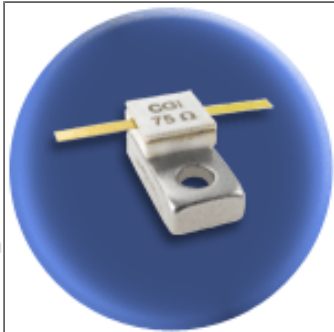
Part Dimensions



Component General, Inc.

P/N: CBR-20-3

Stripline Base Mounted Resistors



Mechanical Specifications

Covers:

Alumina Ceramic.

Substrate:

Beryllium Oxide Ceramic.

Contact:

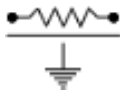
Beryllium Copper, Gold Plated per MIL-G-45204.
Length: 0.250" Min., Width: 0.060",
Thickness 0.004" ± 0.002".

Heat Sink:

Copper, Nickel Plated per QQ-N-290.

Tolerance:

± 0.010" unless specified.



Note: The use of thermal mounting compound is recommended.

Electrical Specifications

Resistance Value:

10 - 1000 Ω or as required. Other values available upon request.

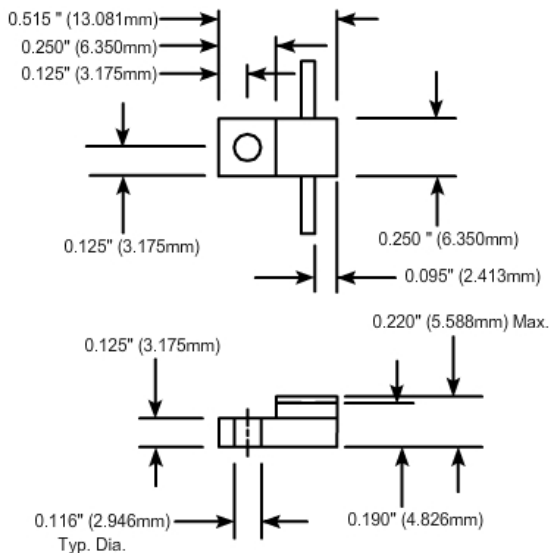
Frequency Range:

DC - 2.0 GHz

Standard Resistance Tolerance:

± 2% Other tolerances available upon request.

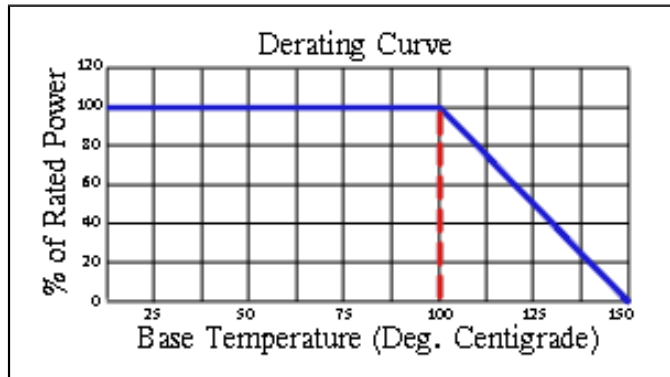
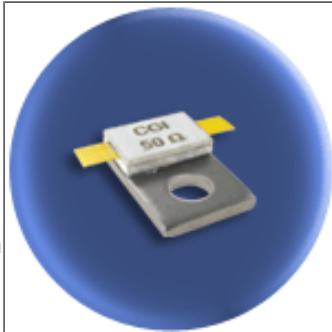
Part Dimensions



Component General, Inc.

P/N: CBR-50-1

Stripline Base Mounted Resistors



Mechanical Specifications

Covers:

Alumina Ceramic.

Substrate:

Beryllium Oxide Ceramic.

Contact:

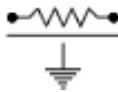
Beryllium Copper, Gold Plated per MIL-G-45204.
Length: 0.125" Min., Width: 0.120",
Thickness 0.004" \pm 0.002".

Heat Sink:

Copper, Nickel Plated per QQ-N-290.

Tolerance:

\pm 0.010" unless specified.



Note: The use of thermal mounting compound is recommended.

Electrical Specifications

Resistance Value:

10 - 1000 Ω or as required. Other values available upon request.

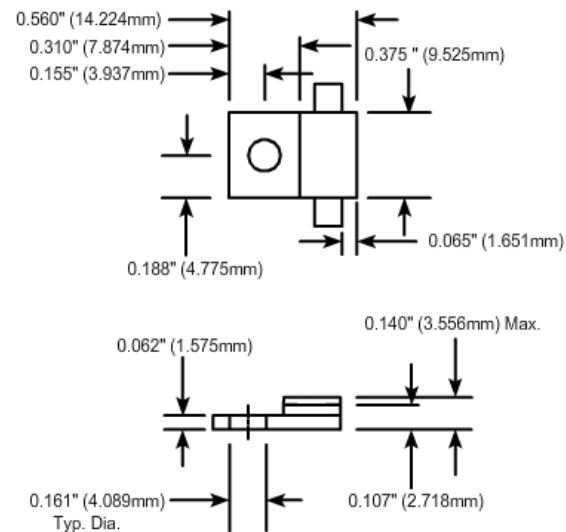
Frequency Range:

DC - 1.0 GHz

Standard Resistance Tolerance:

\pm 5% Other tolerances available upon request.

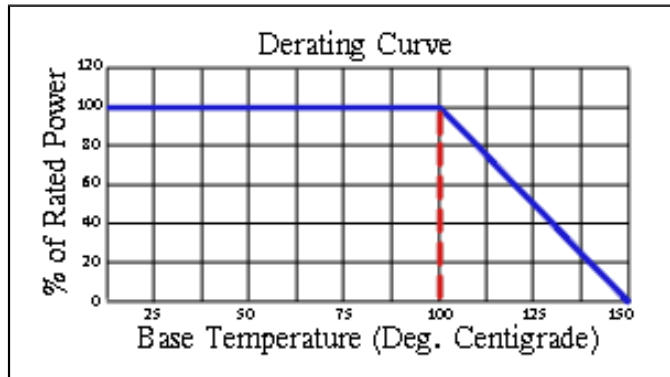
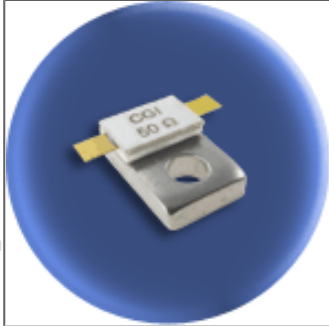
Part Dimensions



Component General, Inc.

P/N: CBR-50-2

Stripline Base Mounted Resistors



Mechanical Specifications

Covers:

Alumina Ceramic.

Substrate:

Beryllium Oxide Ceramic.

Contact:

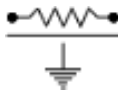
Beryllium Copper, Gold Plated per MIL-G-45204. Length: 0.125" Min., Width: 0.120", Thickness 0.004" \pm 0.002".

Heat Sink:

Copper, Nickel Plated per QQ-N-290.

Tolerance:

\pm 0.010" unless specified.



Note: The use of thermal mounting compound is recommended.

Electrical Specifications

Resistance Value:

10 - 1000 Ω or as required. Other values available upon request.

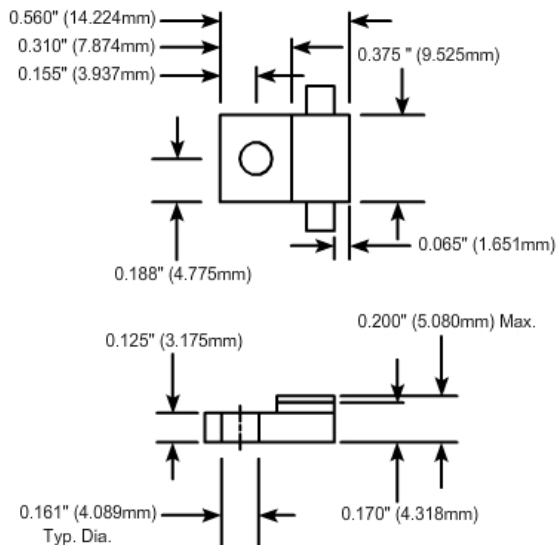
Frequency Range:

DC - 1.0 GHz

Standard Resistance Tolerance:

\pm 5% Other tolerances available upon request.

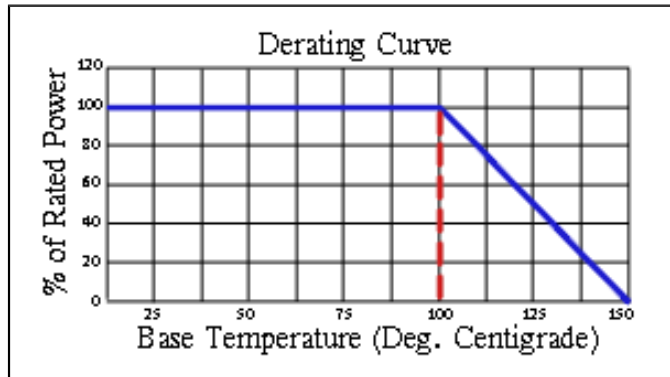
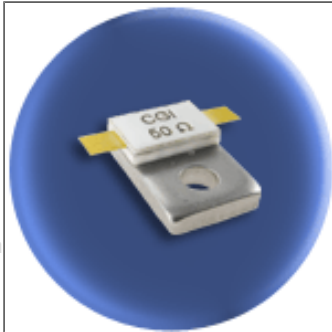
Part Dimensions



Component General, Inc.

P/N: CBR-50-3

Stripline Base Mounted Resistors



Mechanical Specifications

Covers:

Alumina Ceramic.

Substrate:

Beryllium Oxide Ceramic.

Contact:

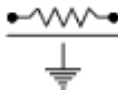
Beryllium Copper, Gold Plated per MIL-G-45204. Length: 0.125" Min., Width: 0.120", Thickness 0.004" \pm 0.002".

Heat Sink:

Copper, Nickel Plated per QQ-N-290.

Tolerance:

\pm 0.010" unless specified.



Note: The use of thermal mounting compound is recommended.

Electrical Specifications

Resistance Value:

10 - 1000 Ω or as required. Other values available upon request.

Frequency Range:

DC - 1.0 GHz

Standard Resistance Tolerance:

\pm 5% Other tolerances available upon request.

Part Dimensions

