

# 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

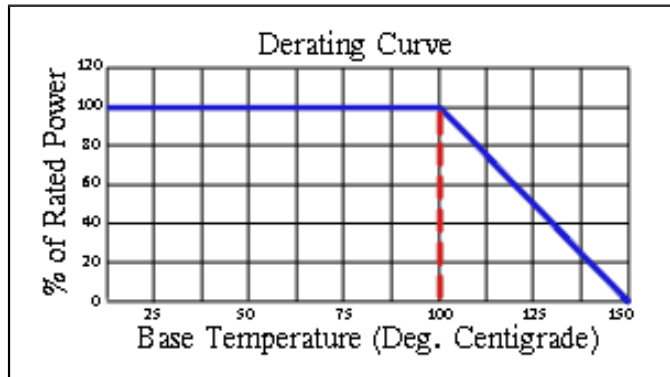
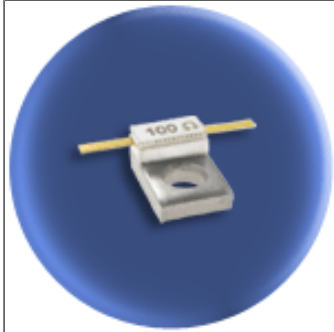
1 hole base mounted resistors product selection chart

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.				
<a href="#">CBR-10-1</a>	10 W	10 - 1000	DC - 4.0 GHz	5 %
<a href="#">CBR-20-1</a>	20 W	10 - 1000	DC - 1.0 GHz 1.0 - 2.0 GHz	2 %
<a href="#">CBR-20-2</a>	20 W	10 - 1000	DC - 1.0 GHz 1.0 - 2.0 GHz	2 %
<a href="#">CBR-20-3</a>	20 W	10 - 1000	DC - 1.0 GHz 1.0 - 2.0 GHz	2 %
<a href="#">CBR-50-1</a>	50 W	10 - 1000	DC - .5 GHz .5 - 1.0 GHz	5 %
<a href="#">CBR-50-2</a>	50 W	10 - 1000	DC - .5 GHz .5 - 1.0 GHz	5 %
<a href="#">CBR-50-3</a>	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:

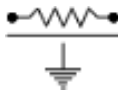
Beryllium Copper, Gold Plated per MIL-G-45204.  
Length: 0.125" Min., Width: 0.040",  
Thickness 0.004"  $\pm$  0.002".

### 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  $\Omega$  or as required. Other values available upon request.

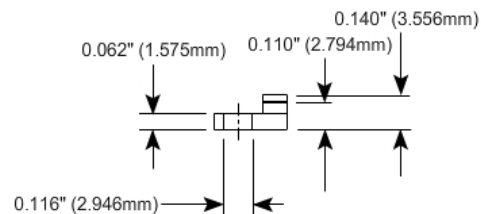
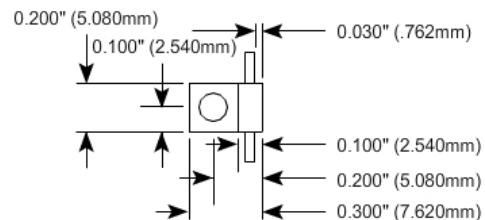
### Standard Resistance Tolerance:

$\pm$  5% Other tolerances available upon request.

### Frequency Range:

DC - 4.0 GHz

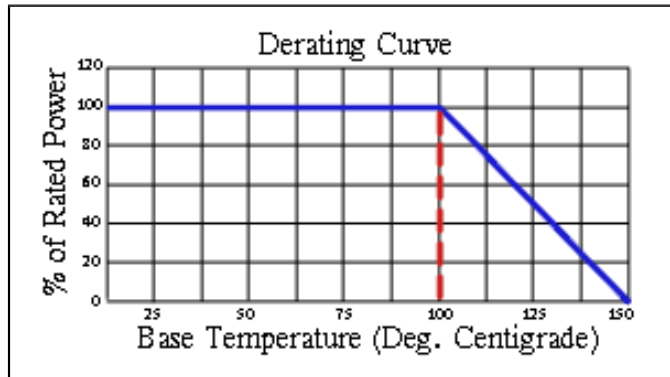
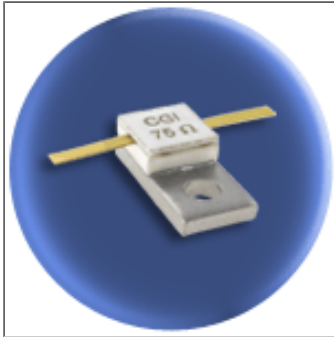
## Part Dimensions



# 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.

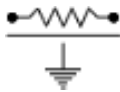
Length: 0.250" Min., Width: 0.060", Thickness 0.004" ± 0.002".

### 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.

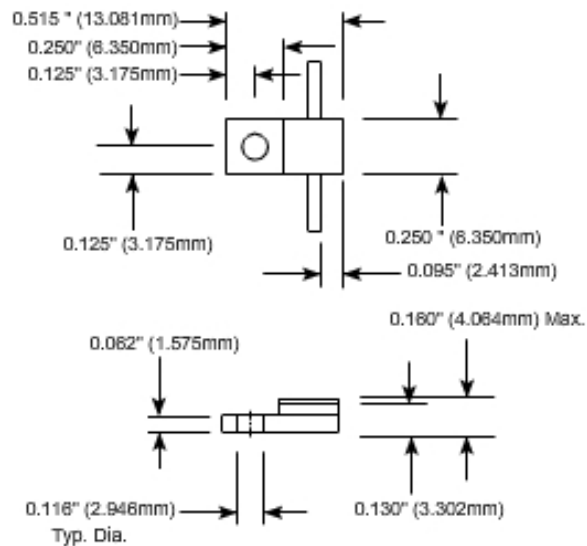
### Frequency Range:

DC - 2.0 GHz

### Standard Resistance Tolerance:

± 2% Other tolerances available upon request.

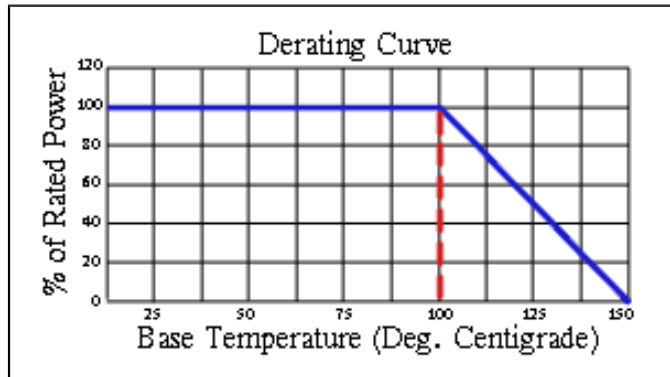
## Part Dimensions



# Component General, Inc.

P/N: CBR-20-2

Stripline Base Mounted Resistors



## Mechanical Specifications

### Covers:

Alumina Ceramic.

### Substrate:

Beryllium Oxide Ceramic.

### Contact:

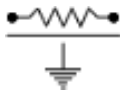
Beryllium Copper, Gold Plated per MIL-G-45204.  
Length: 0.250" Min., Width: 0.060",  
Thickness 0.004" ± 0.002".

### 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.

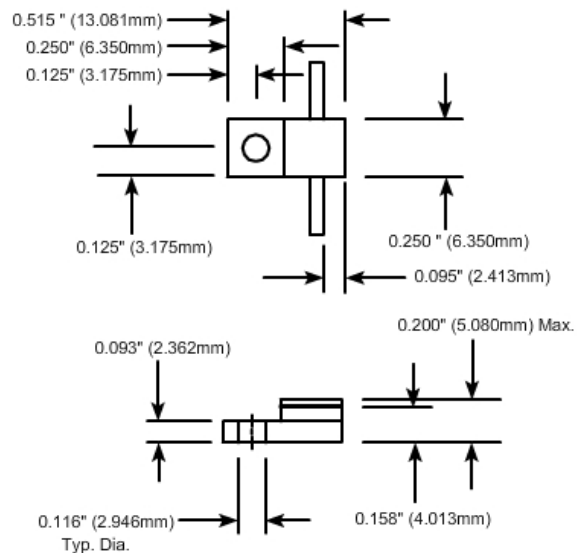
### Frequency Range:

DC - 2.0 GHz

### Standard Resistance Tolerance:

± 2% Other tolerances available upon request.

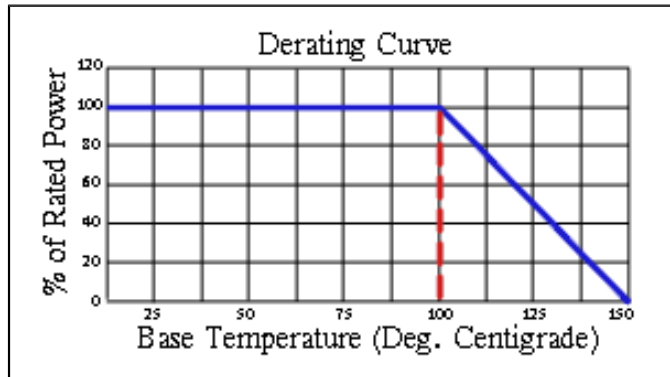
## Part Dimensions



# Component General, Inc.

P/N: CBR-20-3

Stripline Base Mounted Resistors



## Mechanical Specifications

### Covers:

Alumina Ceramic.

### Substrate:

Beryllium Oxide Ceramic.

### Contact:

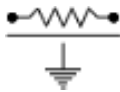
Beryllium Copper, Gold Plated per MIL-G-45204.  
Length: 0.250" Min., Width: 0.060",  
Thickness 0.004"  $\pm$  0.002".

### 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  $\Omega$  or as required. Other values available upon request.

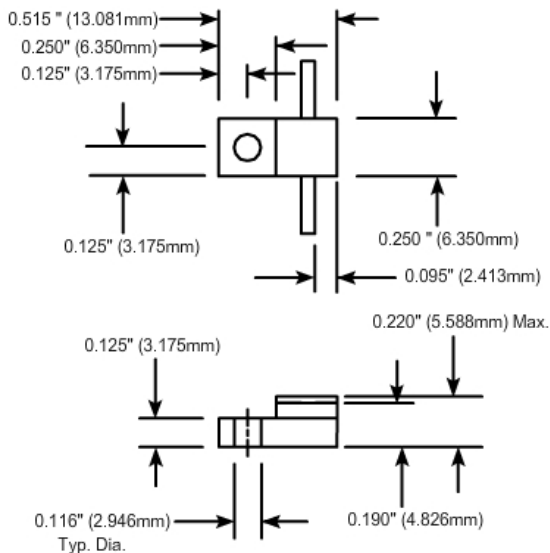
### Frequency Range:

DC - 2.0 GHz

### Standard Resistance Tolerance:

$\pm$  2% Other tolerances available upon request.

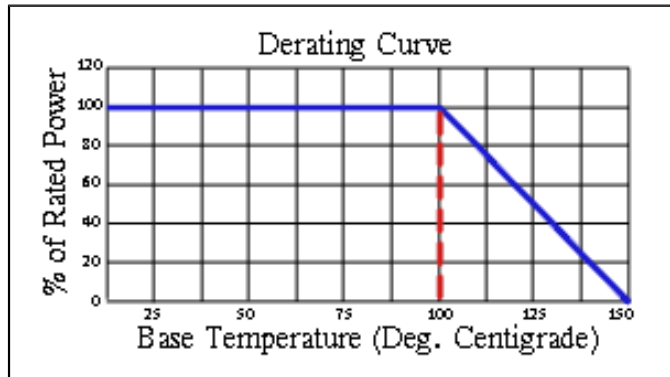
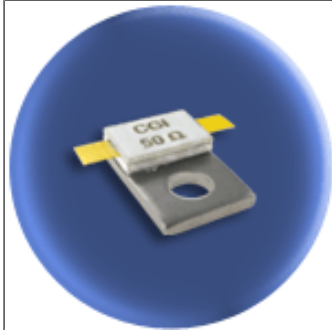
## Part Dimensions



# Component General, Inc.

P/N: CBR-50-1

Stripline Base Mounted Resistors



## Mechanical Specifications

### Covers:

Alumina Ceramic.

### Substrate:

Beryllium Oxide Ceramic.

### Contact:

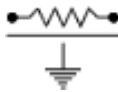
Beryllium Copper, Gold Plated per MIL-G-45204.  
Length: 0.125" Min., Width: 0.120",  
Thickness 0.004"  $\pm$  0.002".

### 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  $\Omega$  or as required. Other values available upon request.

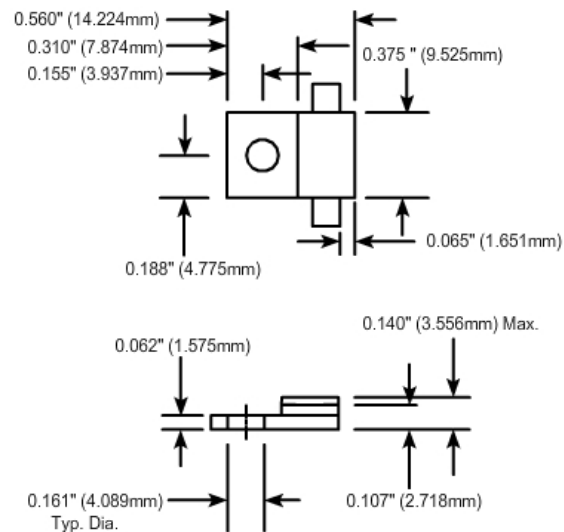
### Frequency Range:

DC - 1.0 GHz

### Standard Resistance Tolerance:

$\pm$  5% Other tolerances available upon request.

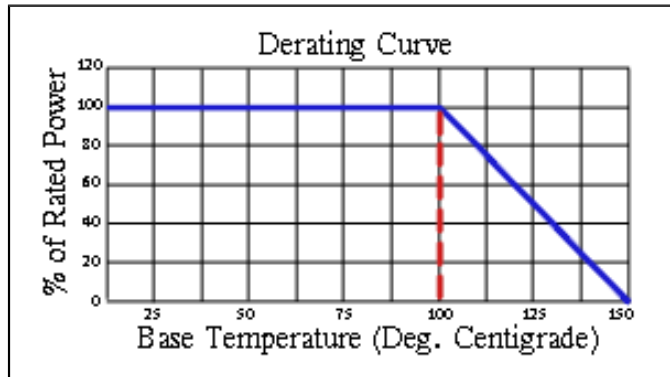
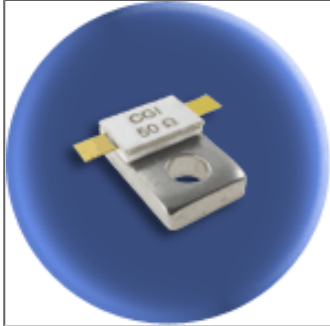
## Part Dimensions



# Component General, Inc.

P/N: CBR-50-2

Stripline Base Mounted Resistors



## Mechanical Specifications

### Covers:

Alumina Ceramic.

### Substrate:

Beryllium Oxide Ceramic.

### Contact:

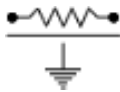
Beryllium Copper, Gold Plated per MIL-G-45204. Length: 0.125" Min., Width: 0.120", Thickness 0.004" ± 0.002".

### 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.

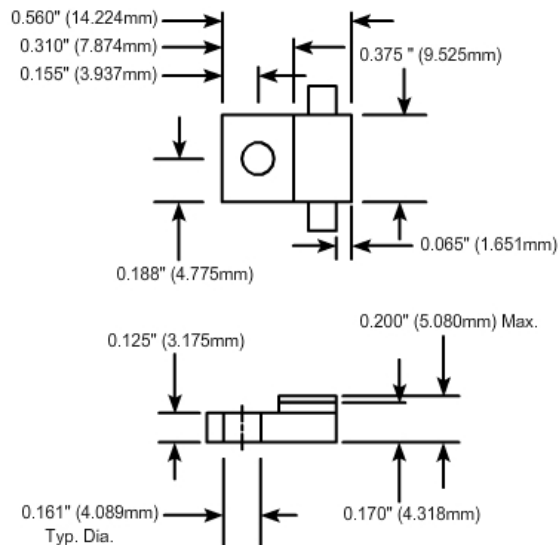
### Frequency Range:

DC - 1.0 GHz

### Standard Resistance Tolerance:

± 5% Other tolerances available upon request.

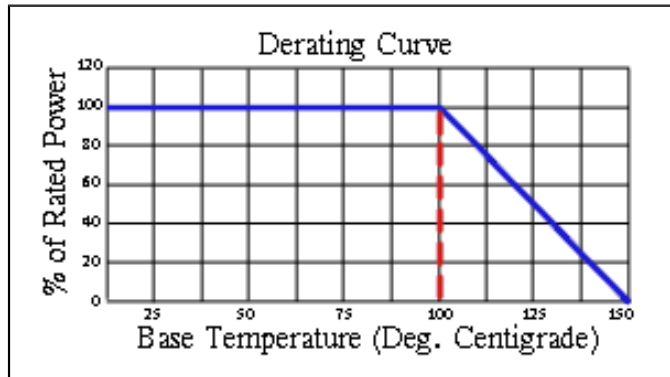
## Part Dimensions



# Component General, Inc.

P/N: CBR-50-3

Stripline Base Mounted Resistors



## Mechanical Specifications

### Covers:

Alumina Ceramic.

### Substrate:

Beryllium Oxide Ceramic.

### Contact:

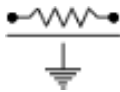
Beryllium Copper, Gold Plated per MIL-G-45204. Length: 0.125" Min., Width: 0.120", Thickness 0.004" ± 0.002".

### 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 - 1.0 GHz

### Standard Resistance Tolerance:

± 5% Other tolerances available upon request.

## Part Dimensions

