



## Features

- DC to 2 GHz
- Flanged model
- Low VSWR



This series is obsolete and not recommended for new designs.

## Applications

- High power RF transmission

# CHF3020CBF Series Power RF Terminations / Resistors

### General Specifications

Substrate ..... Beo  
 Resistive Film ..... Thick Film  
 Tab ..... Ag  
 Cover Substrate ..... AL203  
 Mounting Flange ..... Cu plated with Ni  
 Resistance Termination ..... 50 ohms only  
 Resistor ... See Resistance Value Table  
 Tolerance ..... ±5 %  
 Packaging ..... 100 pcs./box

### Absolute Ratings

Power ..... See Rated Power Table  
 Frequency ..... 2.0 GHz  
 VSWR ..... 1.30 Maximum  
 Capacitance ..... 0.8 pF

### Resistance Value Table

R Value (Ohms)	Code
50	500
100	101
200	201
250	251
300	301

### Rated Power

Version	Power (W)
C	10
D	25

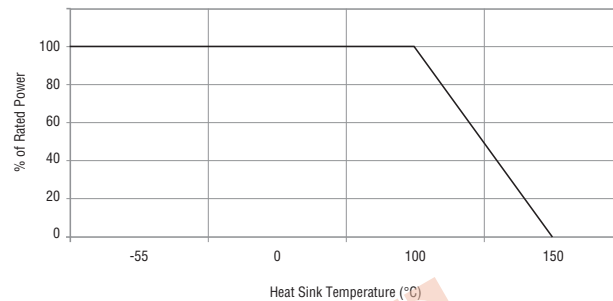
### How to Order

Model \_\_\_\_\_  
 Size \_\_\_\_\_  
 Version \_\_\_\_\_  
 C = 10 W  
 D = 25 W  
 Substrate \_\_\_\_\_  
 Mount \_\_\_\_\_  
 F = Flange  
 Value (see Resistance Value Table) \_\_\_\_\_  
 Function \_\_\_\_\_  
 L = Termination (50 ohms only)  
 R = Resistor

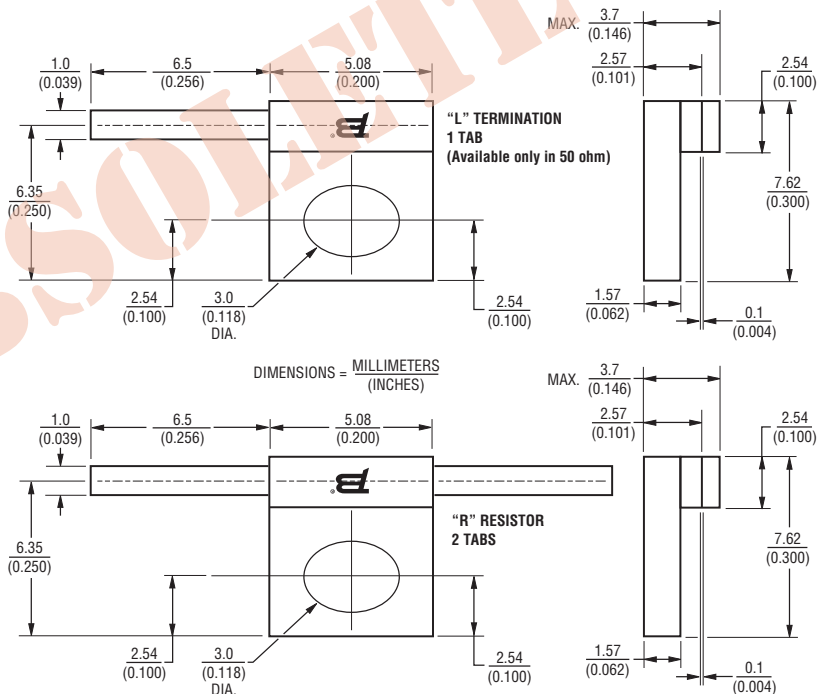
REV. 12/15

\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

### Characteristic Curve

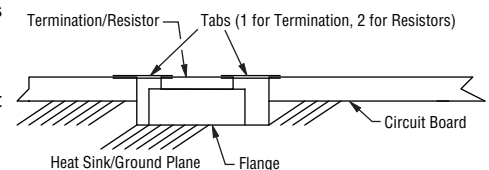


### Product Dimensions



### Mounting High Power Devices

The mounting surface must be flat to less than 0.0254 mm (0.001 ") and devoid of scratches or burrs. The underside of the flange should be brushed with thermal grease prior to being fastened to the heat sink with mounting screws. The thermal grease will fill any air gaps and help to keep a good thermal contact.



Pre-tin the tab prior to installation. Position the tab over the circuit and solder in place.

Ensure that the temperature on the surface of the flange does not exceed 110 °C when running at 100 % of load. If the temperature increases then derate the power.