



Features

- DC to 2 GHz
- Flanged model
- Low VSWR



This series is currently available but 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 $\pm 5\%$
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

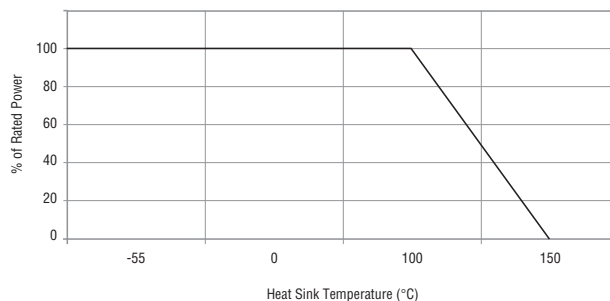
CHF 3020 C B F 500 L

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

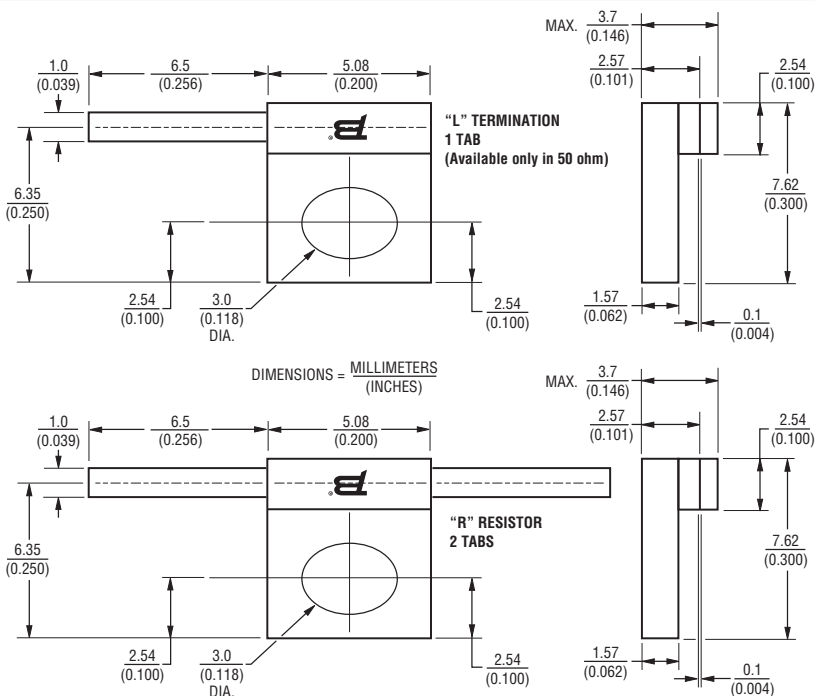
REV. 12/15

*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

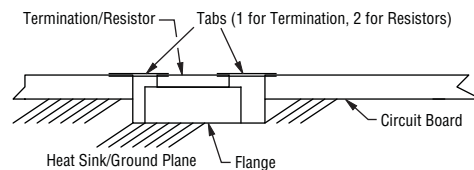


Product Dimensions



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.

Mouser Electronics

Authorized Distributor

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Bourns:

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[CHF3020CBF750R](#) [CHF3020CBF201R](#) [CHF3020DBF251R](#) [CHF3020CBF301R](#) [CHF3020DBF201R](#)
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