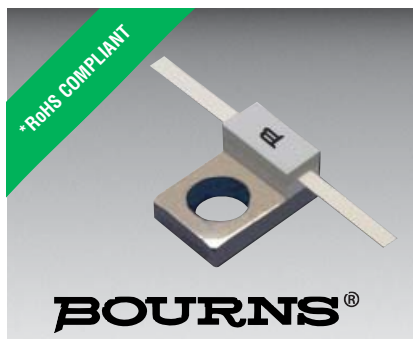




Features

- DC to 2 GHz
- Flanged model
- Low VSWR

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

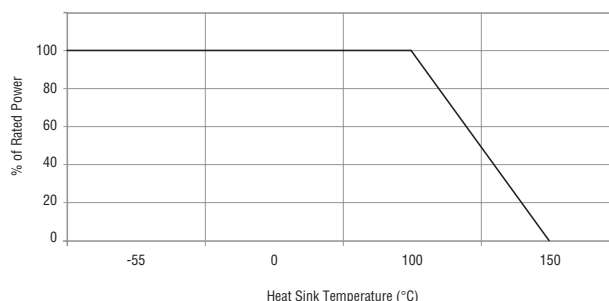
Version	Power (W)
C	10
D	25

How to Order

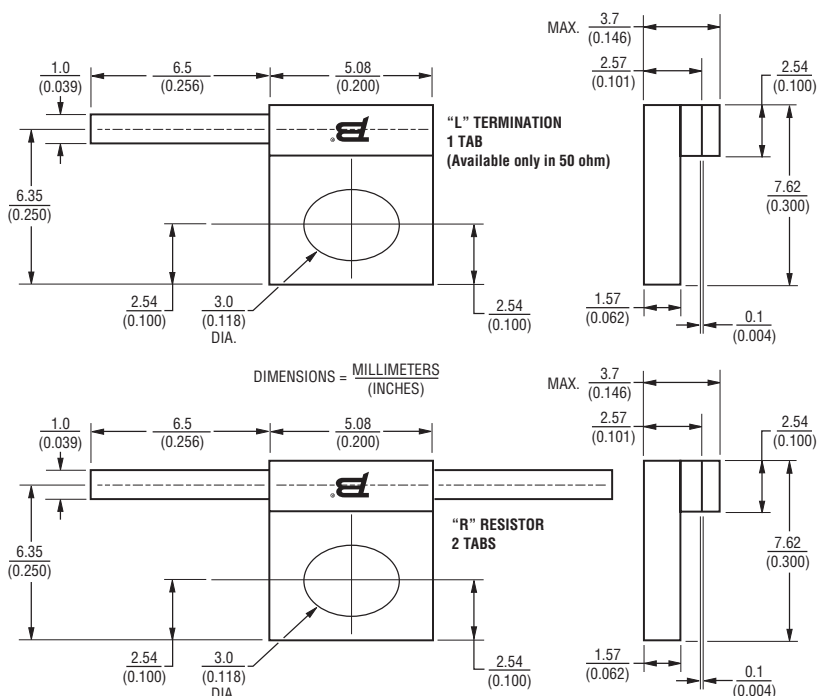
CHF 3020 C B F 500 L

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

Characteristic Curve

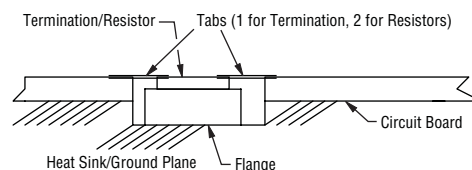


Product Dimensions



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.

REV. 09/09

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications

Mouser Electronics

Authorized Distributor

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Bourns:

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[CHF3020CBF750R](#) [CHF3020CBF201R](#) [CHF3020DBF251R](#) [CHF3020CBF301R](#) [CHF3020DBF201R](#)
[CHF3020DBF500L](#) [CHF3020CBF221R](#) [CHF3020CBF251R](#) [CHF3020DBF501R](#)