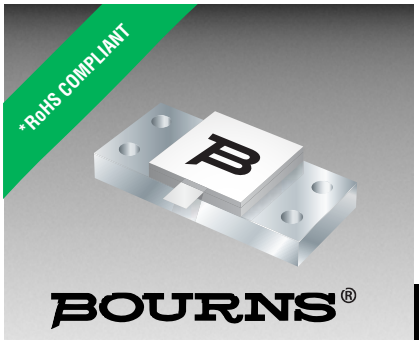



## Features

- DC to 1 GHz
- Flanged model
- VSWR of 1.06 @ 800 MHz
- 1000 watts @ 110 °C case temperature

**This series is obsolete and not recommended for new designs.**

## Applications

- Broadcast transmitters for television, radio, radar

# CHF190104KxBF Series 1 kW Stripline Termination

### General Specifications

Substrate ..... BeO
Resistive Film ..... Thick Film
Tab ..... Cu Be/Ag
Cover Substrate ..... AL203
Mounting Flange..... Cu plated with Ni
Resistance ..... 50 ohms
Tolerance ..... ±5 %
Packaging ..... 20 pcs./tray
Operating Temperature
..... -55 °C to +220 °C

### Absolute Ratings

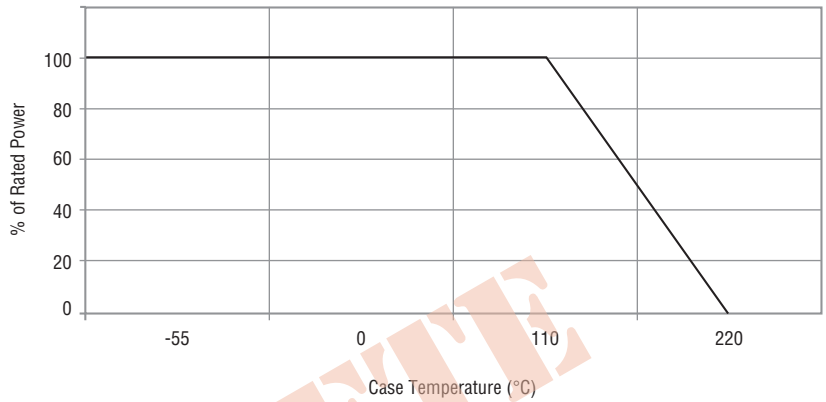
Power ..... 1000 W
Frequency ..... 1.0 GHz
VSWR ..... 1.06 maximum @ 800 MHz
1.25 maximum at 1 GHz

### How To Order

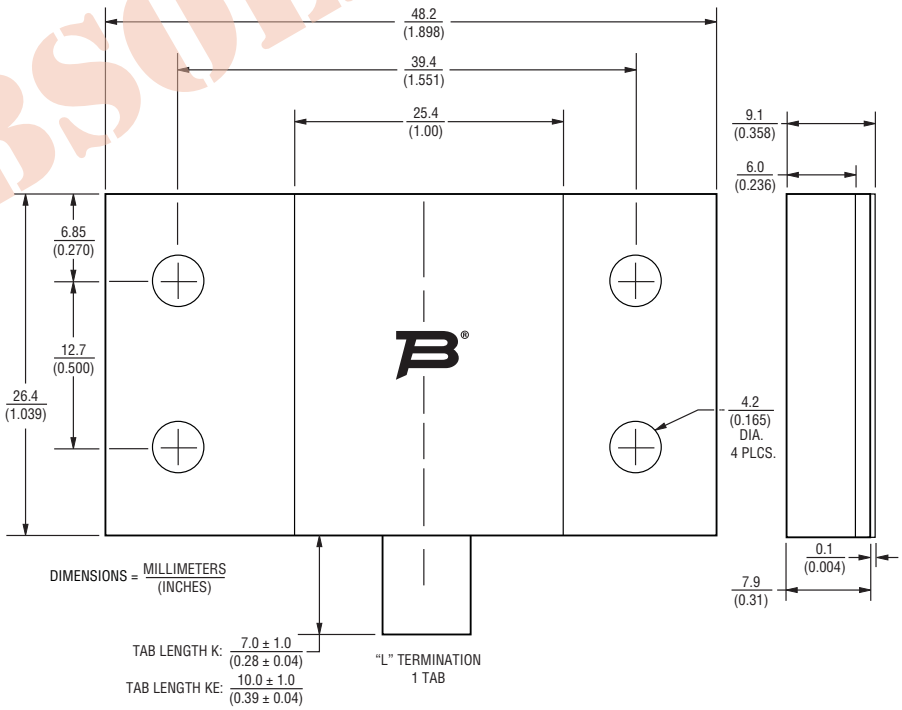
**CHF 190104 K B F 500 L**

- Model
- Size
- Tab Length (See Product Dimensions)
  - K (Standard)
  - KE (Special Tab Dimensions)
- Substrate
- Mount
  - F = Flange
- Value
  - 500 = 50 Ohms
- Function
  - L = Termination

### Characteristic Curve



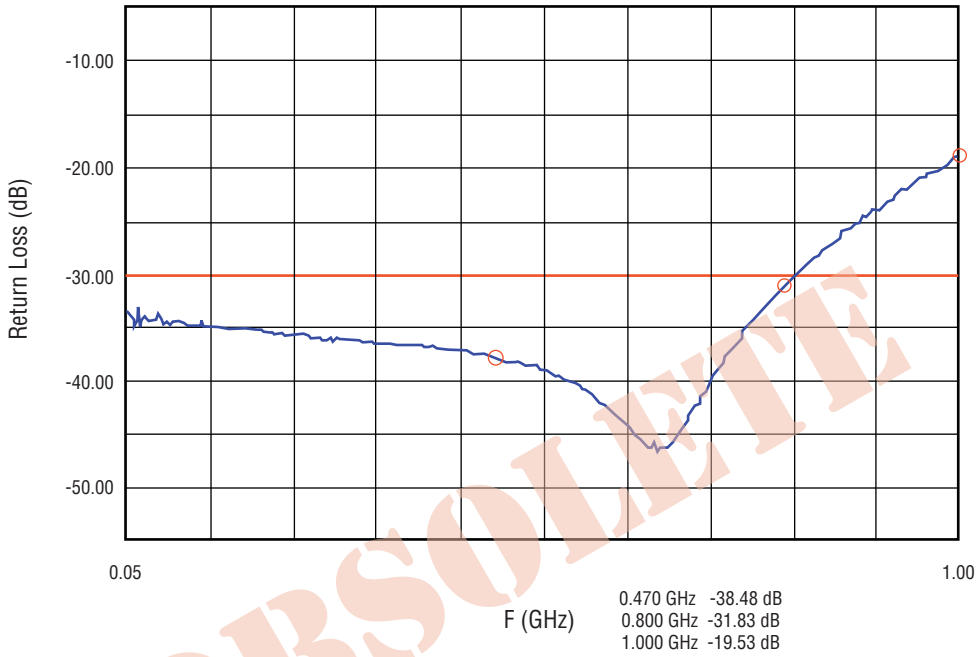

### Product Dimensions






*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.

## Typical Performance






## Mounting High Power Devices

The mounting surface must be flat to less than 0.0254 mm (0.001 inch) 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.