

## Features

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

## 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

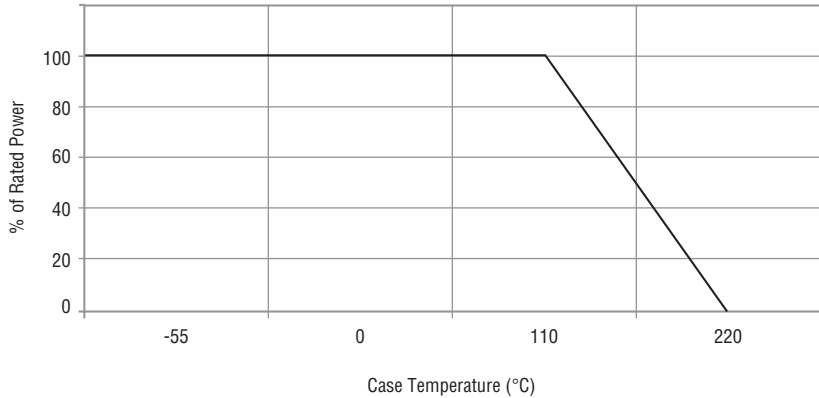
Power ..... 1000 W  
 Frequency ..... 1.0 GHz  
 VSWR ..... 1.06 maximum @ 800 MHz  
 1.25 maximum at 1 GHz

### How To Order

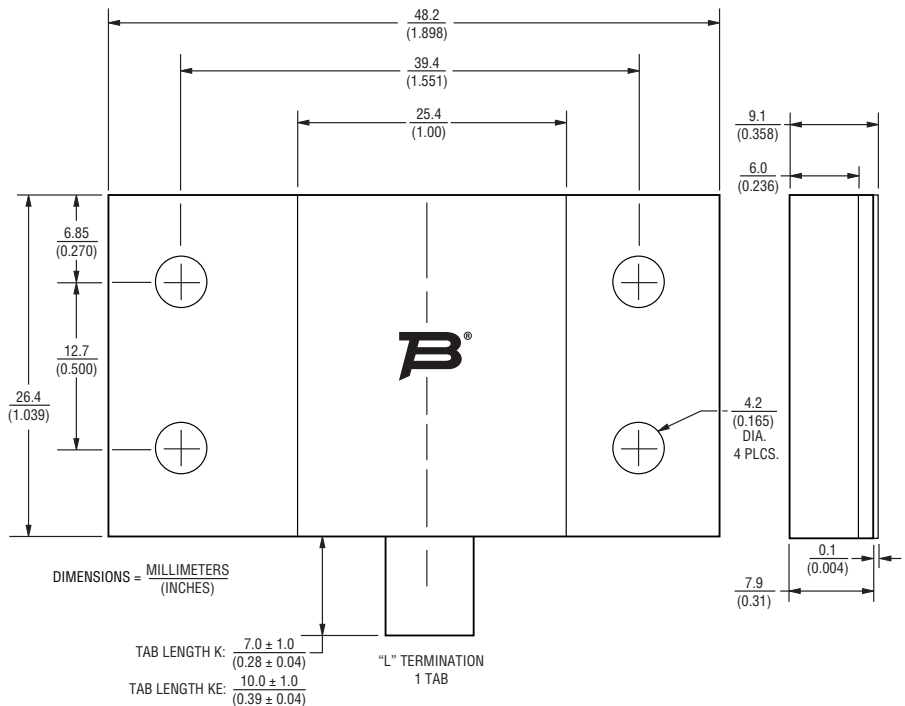
**CHF 190104 K B F 500 L**

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



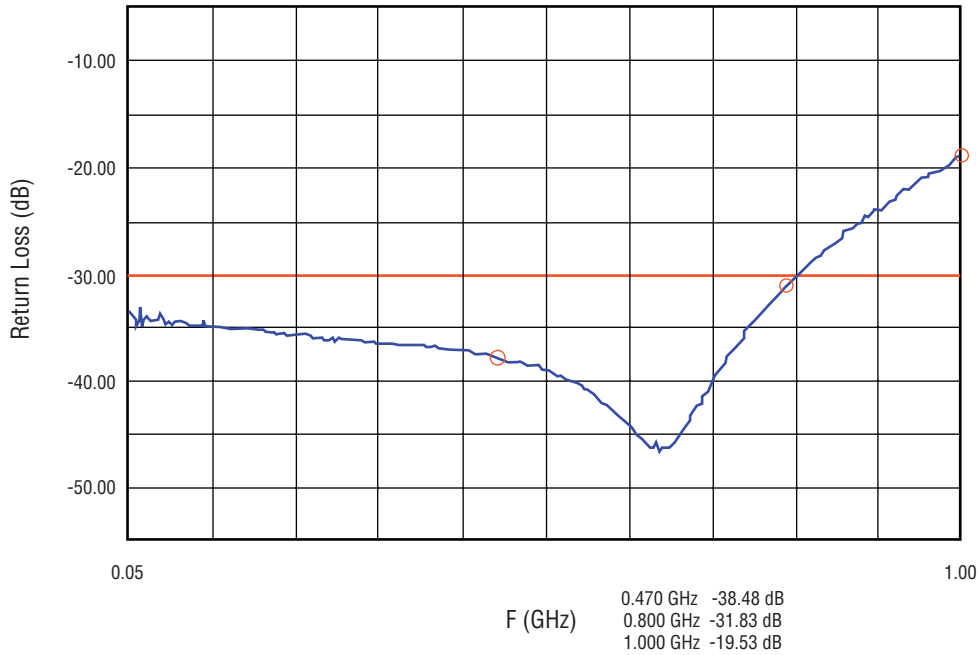
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 Tel: +1-951 781-5500  
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## Typical Performance



## 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.

