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

Characteristic Curve

Product Dimensions

- Model: CHF 190104 K B F 500 L
- Size
- Tab Length
- (See Product Dimensions)
  K (Standard)
  KE (Special Tab Dimensions)
- Substrate
- Mount
  F = Flange
- Value
  500 = 50 Ohms
- Function
  L = Termination

How To Order

- CHF 190104 K B F 500 L

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.


This series is obsolete and not recommended for new designs.

*OBSOLETE
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.

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