

Features

- DC to 2.2 GHz
- Terminals for PCB placement
- Low VSWR
- Aluminum Nitride ceramic
- High power
- RoHS compliant*

Applications

- RF amplifiers
- Attenuators
- Antenna feeds
- Wilkinson dividers

CHF2010xNP Series 10 W Power RF Chip Termination/Resistor

General Specifications

Substrate ..... ALN
Resistive Film ..... Thick-Film
Terminals ..... NiAu
Capacitance ..... 0.75 pF
Resistance
- CHF2010CNP500L ..... 50 Ω
- CHF2010CNP101R ..... 100 Ω
- CHF2010DNP101R ..... 100 Ω

Tolerance
- CHF2010CNP500L ..... ±5 %
- CHF2010CNP101R ..... ±5 %
- CHF2010DNP101R ..... ±2 %

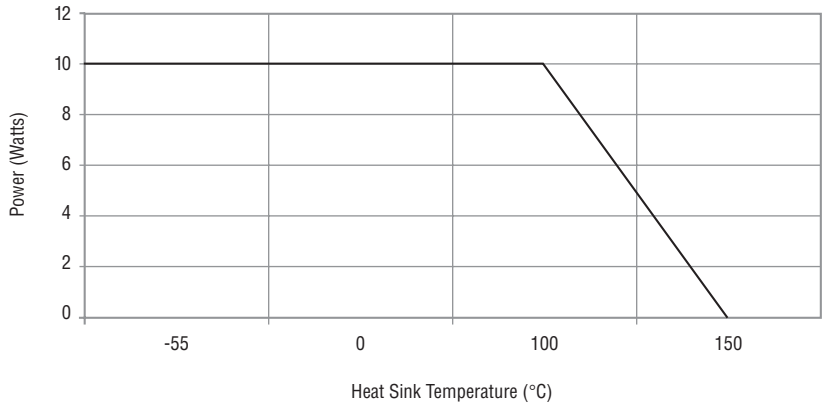
Packaging
- Tape & Reel ..... 2000 pcs./10 " reel
- Bulk ..... 100 pcs./bag

Absolute Ratings

Power ..... 10 W
Frequency
- CHF2010CNP500L ..... 2 GHz
- CHF2010CNP101R ..... 2.2 GHz
- CHF2010DNP101R ..... 2.2 GHz

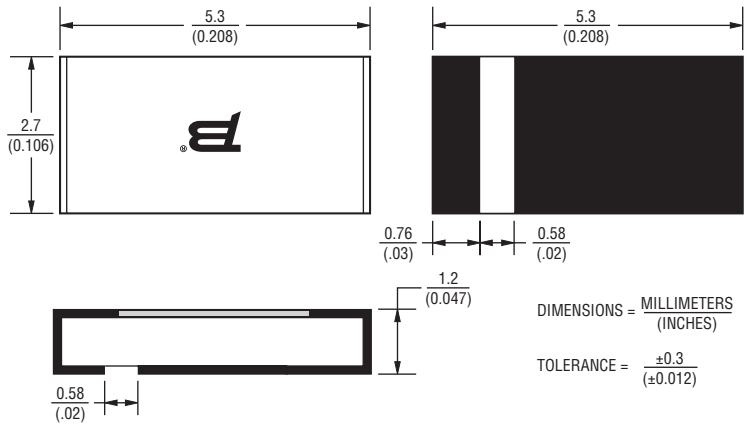
VSWR ..... 1.2 Maximum

Characteristic Curve

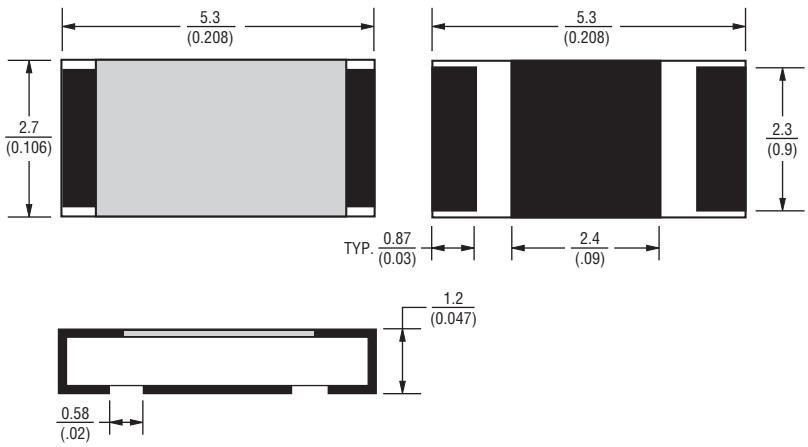


Product Dimensions

CHF2010CNP500L



CHF2010CNP101R & CHF2010DNP101R



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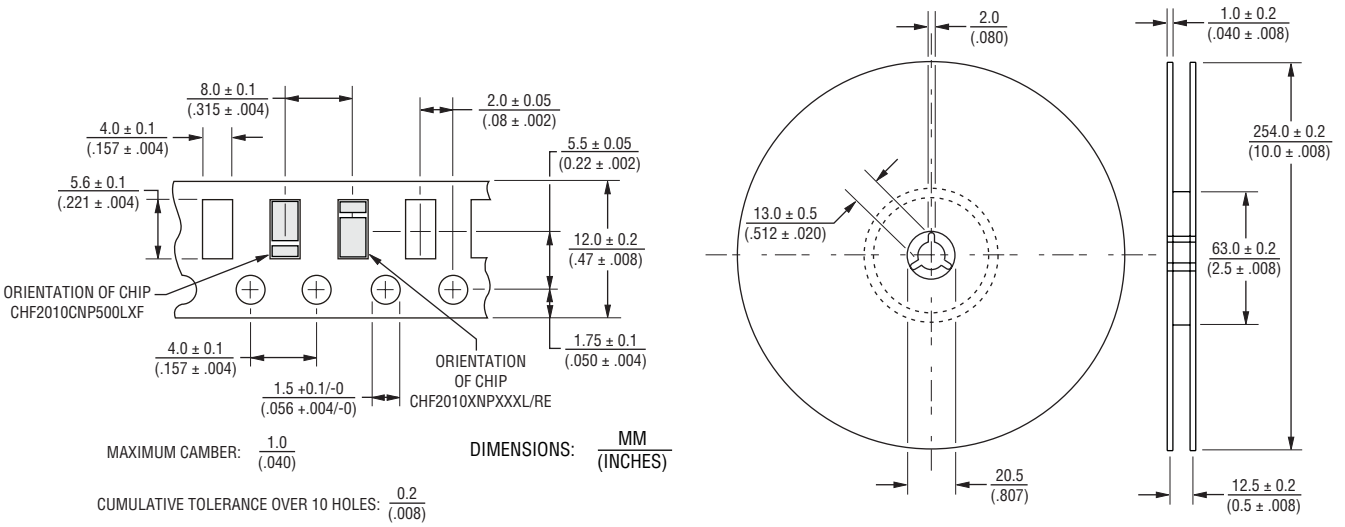
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*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

Packaging Dimensions



How to Order

CHF 2010 C N P 500 L X E

Model — CHF

Package — 2010

Version — C
- C = 5 % Tolerance
- D = 2 % Tolerance

Substrate — N

Mount — P
- P = Printed Circuit Board

Resistance Code — 500
- 500 = 50 Ohm
- 101 = 100 Ohm

Type — L
- L = Termination (One Lead)
- R = Resistor (Two Leads)

Plating — X
- X = NiAu

Packaging — E
- Blank = Bulk (100 pcs./bag)
- E = Tape & Reel (2,000 pcs./10 " reel, Orientation of Input Terminal Away from Sprocket)
- *F = Tape & Reel (2,000 pcs./10 " reel, Orientation of Input Terminal Facing from Sprocket)

*Packaging Option F is only available on CHF2010CNP500LXF.

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