

Features

- Frequency Range: 0.008MHz to 100MHz
- Impedance Ratio: 1:1, Balanced to Balanced
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Nominal Impedance



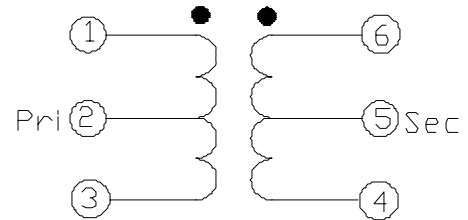
Product Description

The XFA-0101-1BH transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other communications systems. These units are built Lead-Free and RoHS Compliant.

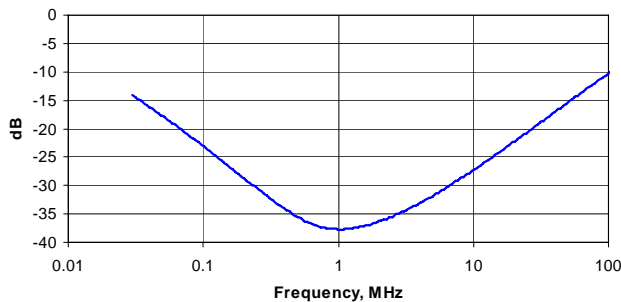
Specifications

Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	0.008		100	MHz
Insertion Loss <1dB	0.015		40	MHz
Insertion Loss <2dB	0.010		80	MHz
Insertion Loss <3dB	0.008		100	MHz
Impedance Ratio	1:1			
Type	Balanced to Balanced			

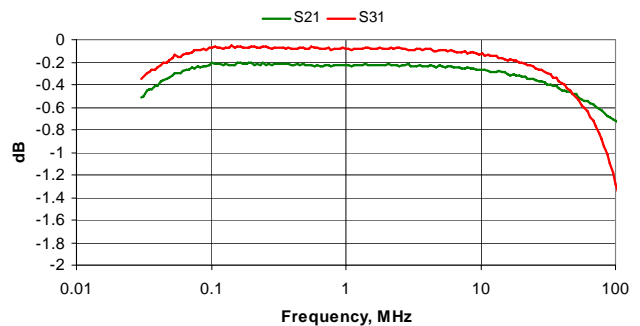
Schematic



Input Return Loss

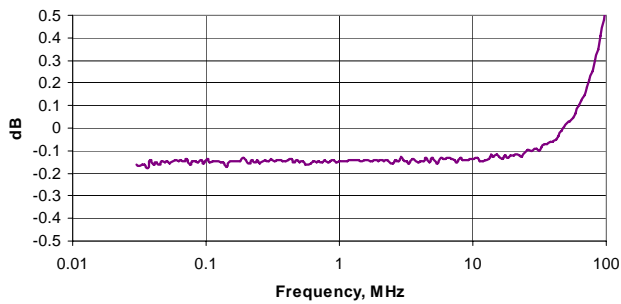


Insertion Loss

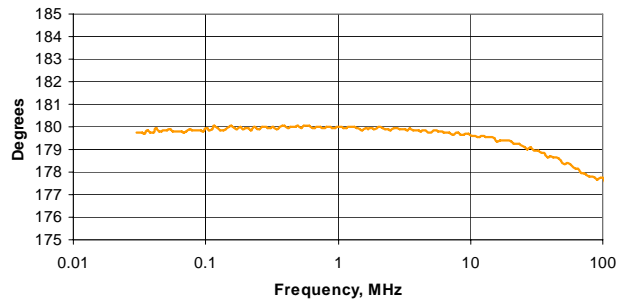


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Amplitude Balance



Phase Balance



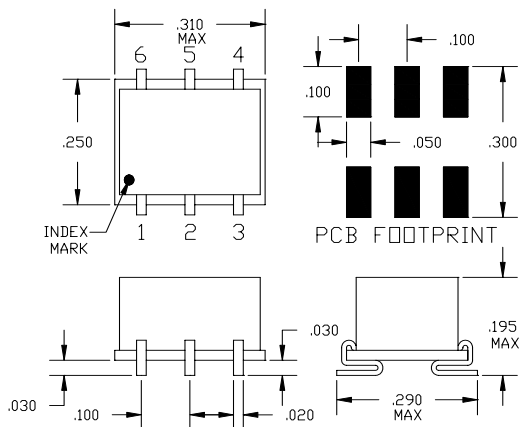
Pin Out

Pin	Name
1	Primary Dot
2	Primary CT
3	Primary
4	Secondary
5	Secondary CT
6	Secondary DOT

Absolute Maximum Ratings

Parameter	Rating	Unit
RF Power	+33	dBm
Operating Temperature	-55 to +100	°C
Storage Temperature	-55 to +100	°C

Package Drawing - S06



Exceeding any one or a combination of the Absolute Maximum Rating conditions may cause permanent damage to the device. Extended application of Absolute Maximum Rating conditions to the device may reduce device reliability. Specified typical performance or functional operation of the device under Absolute Maximum Rating conditions is not implied.

RoHS status based on EUDirective2002/95/EC (at time of this document revision).

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