

### Features

- Frequency Range: 0.05MHz to 300MHz
- Impedance Ratio: 1:1 Unbalanced to Balanced
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and-Reel
- 50Ω Nominal Impedance



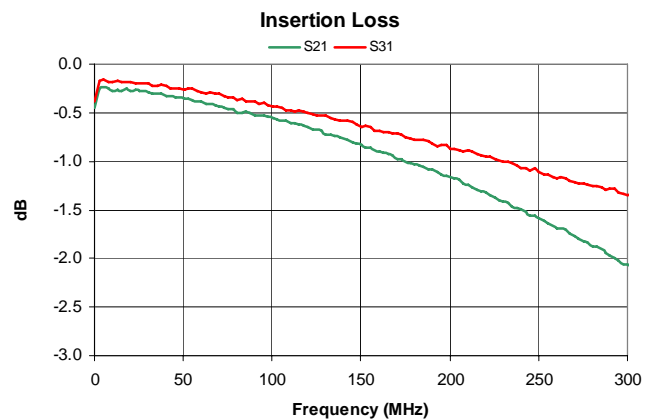
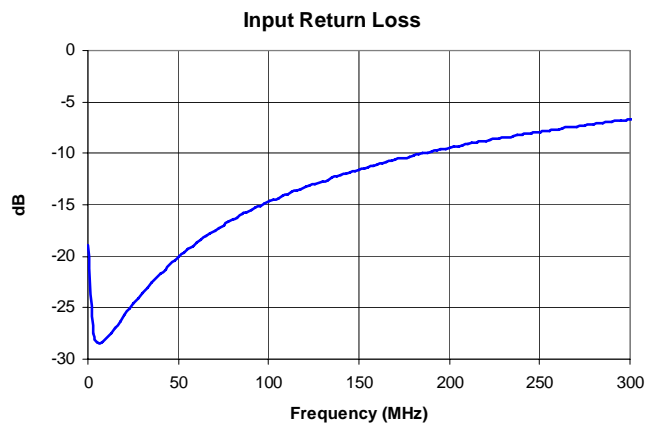
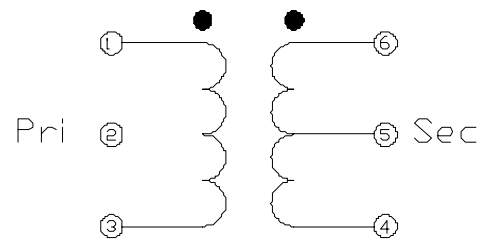
### Product Description

The XFA-0301-1WH 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.

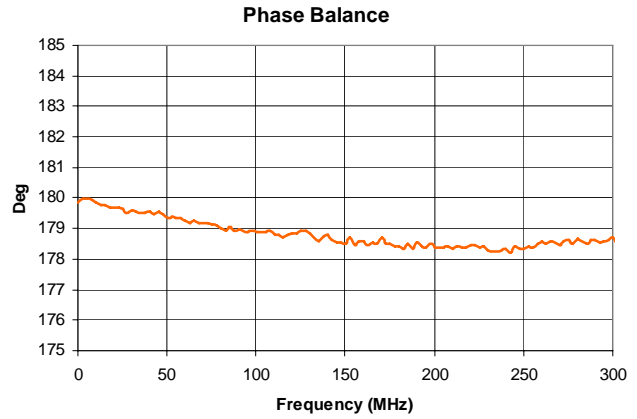
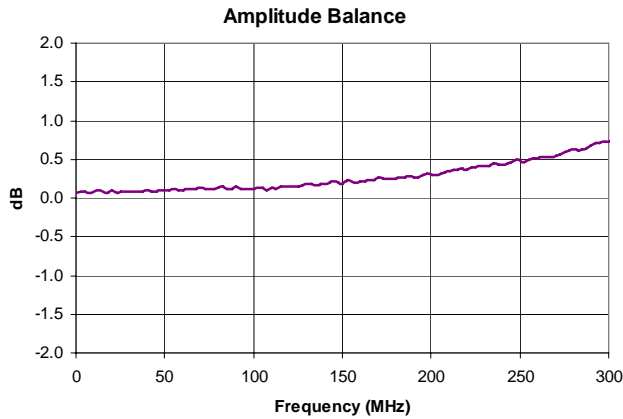
### Specifications

Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	0.05		300	MHz
Insertion Loss <1dB	0.15		100	MHz
Insertion Loss <2dB	0.8		200	MHz
Insertion Loss <3dB	0.05		300	MHz
Impedance Ratio	1:1			
Type	Unbalanced to Balanced			

### Schematic



# XFA-0301-1WH



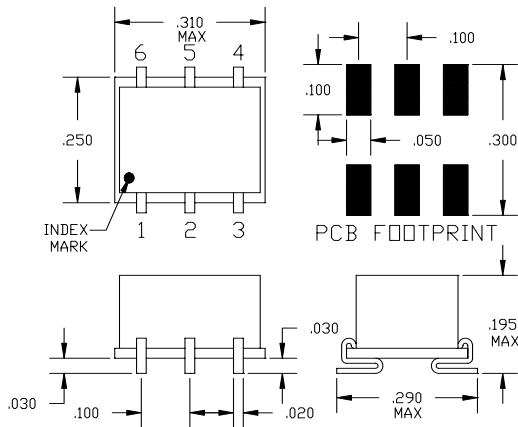
## Pin Out

Pin	Name
1	Primary DOT
2	NC
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 EU Directive 2002/95/EC (at time of this document revision).

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