

# XFA-0301-1WH

### 1:1 SMT TRANSFORMER

RoHS Compliant and Pb-Free Product Package: S06

#### **Features**

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



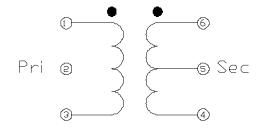
## **Product Description**

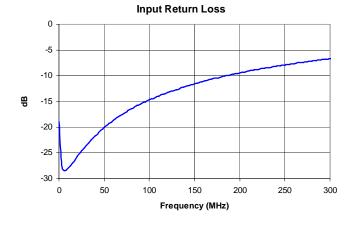
The XFA-0301-1WH transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other communications systems. These units are built Lead-Free and RoHS Compliant.

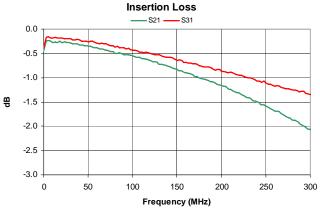
#### **Specifications**

Parameter	Specification			Unit
	Min.	Тур.	Max.	Oilit
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		
Туре	Unbalanced to Balanced			

#### **Schematic**

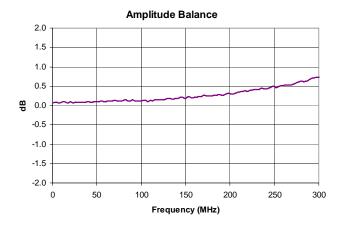


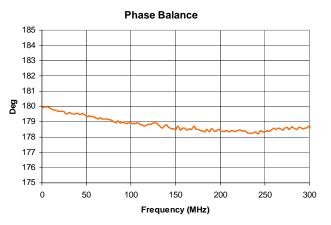




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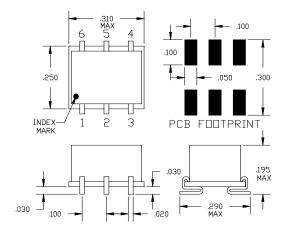




#### Pin Out

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

## Package Drawing - S06



#### **Absolute Maximum Ratings**

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

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 EUDirective 2002/95/EC (at time of this document revision).

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