

RoHS Compliant and Pb-Free Product
Package: S06

Features

- Frequency Range: 0.05 MHz to 125 MHz
- Impedance Ratio: 1:8 Unbalanced to Balanced
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and-Reel
- 50Ω Nominal Impedance



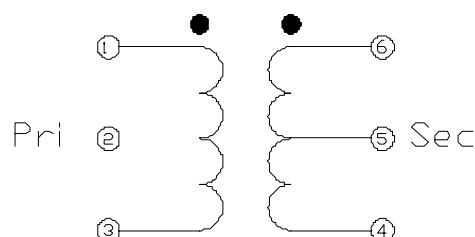
Product Description

The XFA-0201-8WH 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.

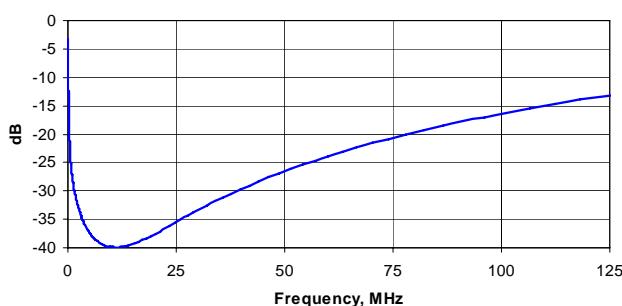
Specifications

Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	0.05		125	MHz
Insertion Loss <1dB	0.1		80	MHz
Insertion Loss <2dB	0.05		125	MHz
Insertion Loss <3dB				MHz
Impedance Ratio	1:8			
Type	Unbalanced to Balanced			

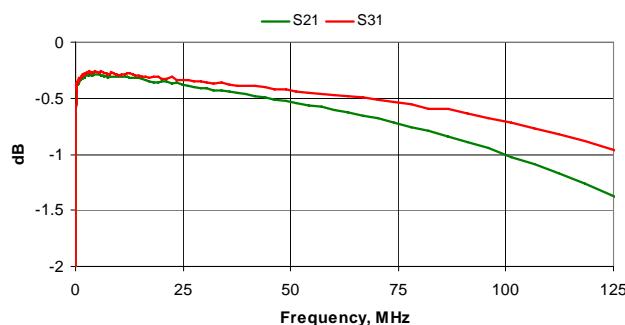
Schematic



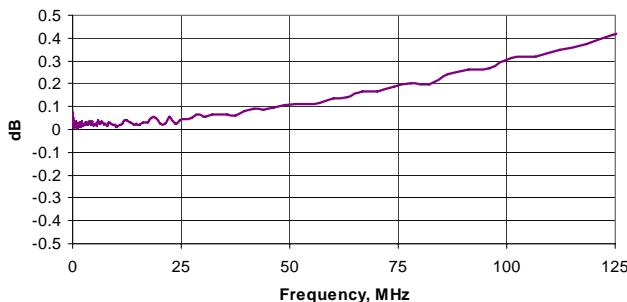
Input Return Loss



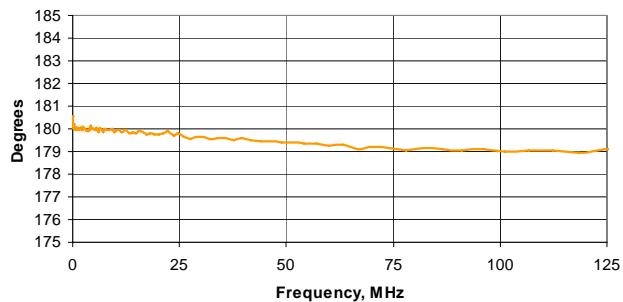
Insertion Loss



Amplitude Balance



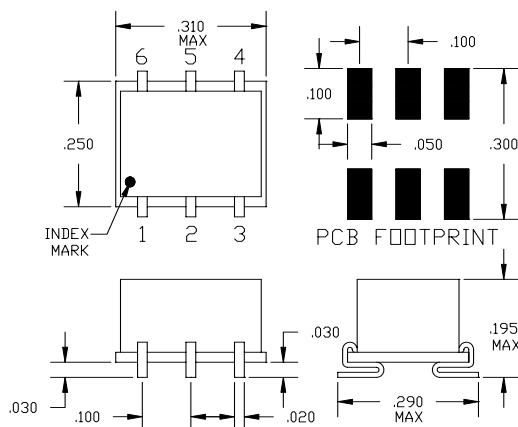
Phase Balance



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

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