

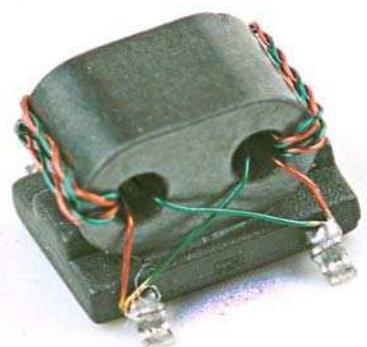
**RoHS Compliant and Pb-Free Product**  
**Package: S03**

## Features

- Frequency Range: 500MHz to 2500MHz
- Impedance Ratio: 1:4, Unbalanced to Balanced
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and-Reel
- 50Ω Nominal Impedance

## Product Description

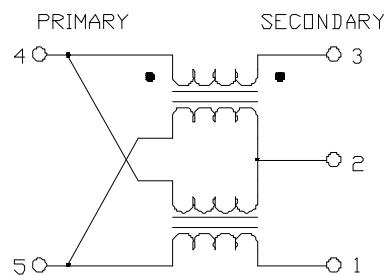
The XFM-2501-4WH transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other communications systems. These units are built Lead-Free and RoHS Compliant. S-Parameters are available on request.



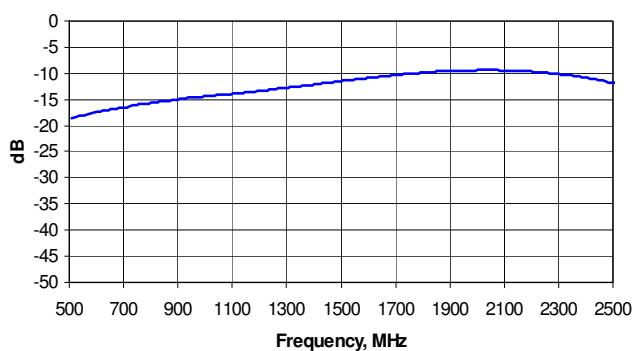
## Specifications

Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	500		2500	MHz
Insertion Loss <1dB	700		1200	MHz
Insertion Loss <2dB	600		1600	MHz
Insertion Loss <3dB	500		2500	MHz
Impedance Ratio	1:4			
Type	Unbalanced to Balanced			

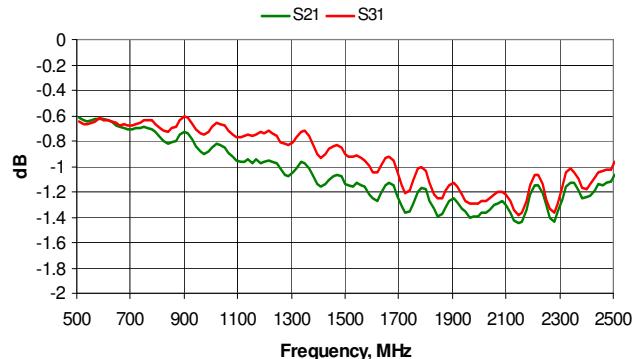
## Schematic



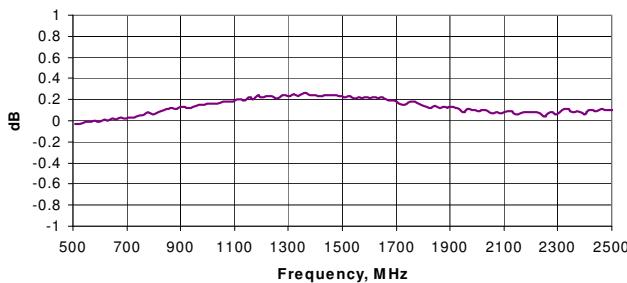
**Input Return Loss**



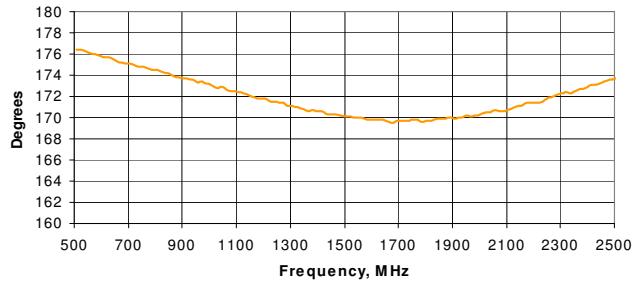
**Insertion Loss**



Amplitude Balance



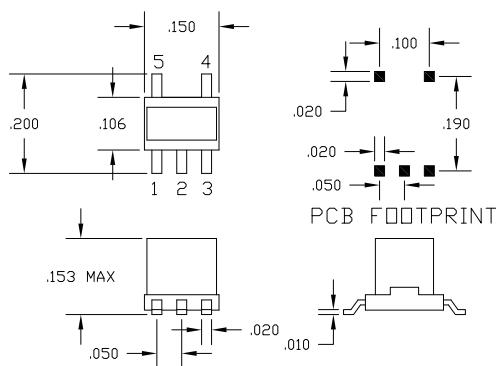
Phase Balance



Pin Out

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

Package Drawing - S03



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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