

RoHS Compliant and Pb-Free Product
Package: S03

Features

- Frequency Range: 40MHz to 1000MHz
- Impedance Ratio: 1:1, Unbalanced to Unbalanced
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and-Reel
- 75Ω Nominal Impedance



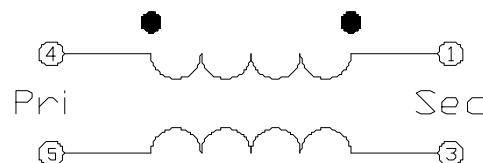
Product Description

The XFM-1002-1UH transformer is designed for applications that require small, low cost, and reliable surface mount components. Applications may be found in broadband, wireless, and other communicating systems. These units are built Lead-Free and RoHS Compliant. S-Parameters are available on request.

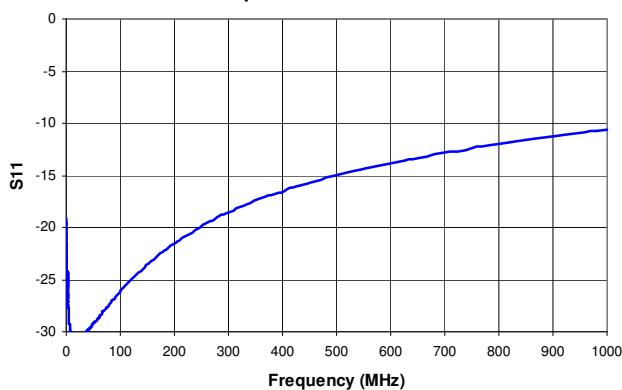
Specifications

Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	40		1000	MHz
Insertion Loss <1dB	40		1000	MHz
Insertion Loss <2dB				MHz
Insertion Loss <3dB				MHz
Return Loss	10			dB
Impedance Ratio	1:1			
Type	Unbalanced to Unbalanced			

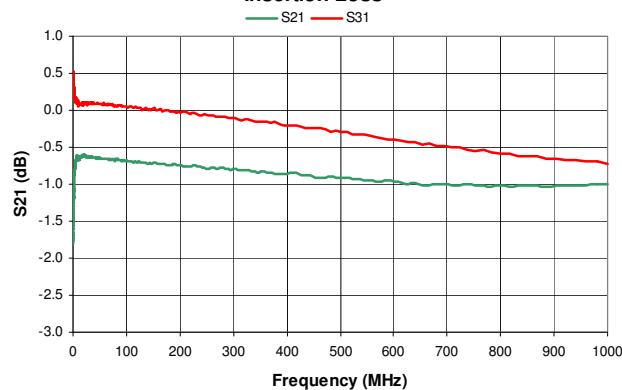
Schematic

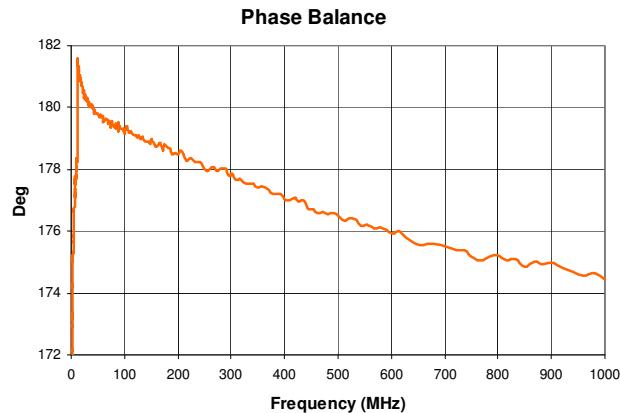
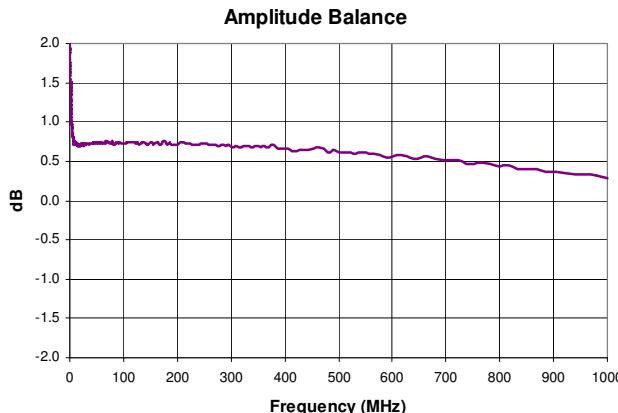


Input Return Loss



Insertion Loss





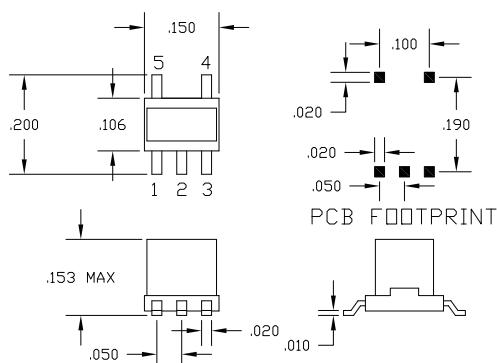
Pin Out

Pin	Name
1	Secondary Dot
2	NC
3	Secondary
4	Primary Dot
5	Primary

Absolute Maximum Ratings

Parameter	Rating	Unit
RF Power	+33	dBm
Operating Temperature	-40 to +85	°C
Storage Temperature	-55 to +125	°C

Package Drawing - S03



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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