MiniRF

RoHS Compliant and Pb-Free Product
Package: S03

Features

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

Pri   Sec

Input Return Loss

Insertion Loss

XFM-1002-1UH

MiniRF
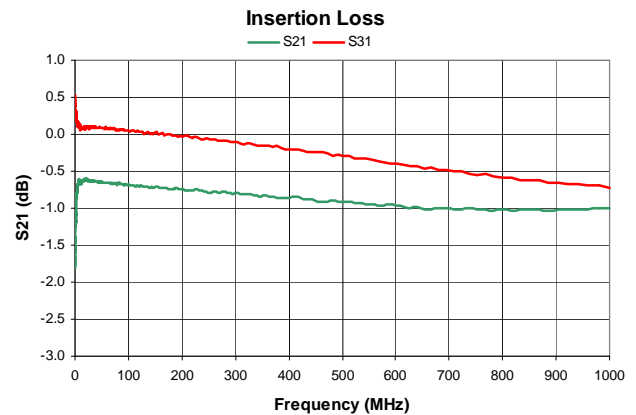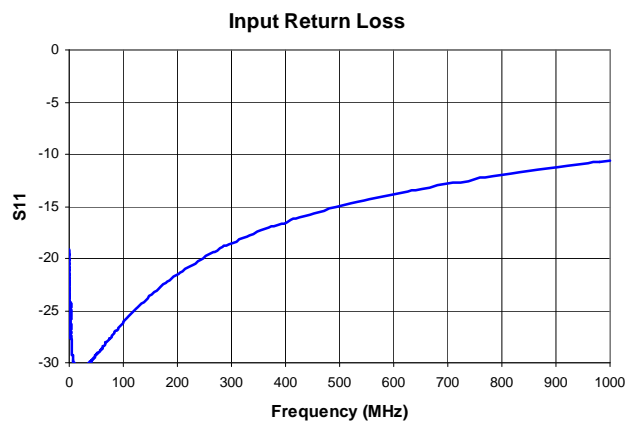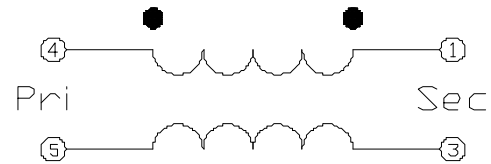
Amplitude Balance
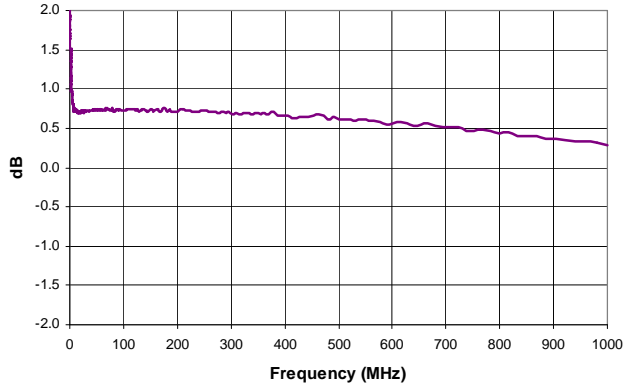
Phase Balance
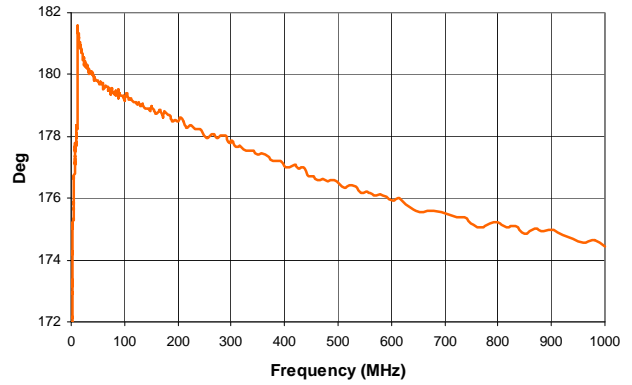
Pin Out

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

Package Drawing - S03

Absolute Maximum Ratings

Parameter	Rating	Unit
RF Power	+33	dBm
Operating Temperature	-40 to +85	° C
Storage Temperature	-55 to +125	° C
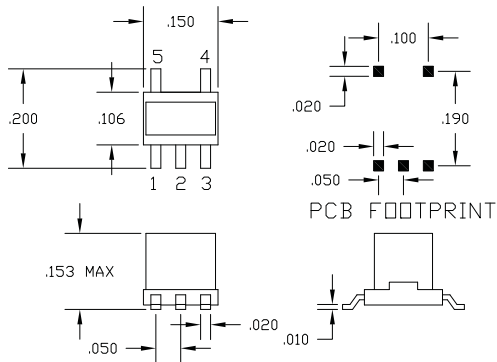
Exceeding any one or a combination of the Absolute Maximum Rating conditions may cause permanent damage to the device. Extended application of Absolute Maximum Rating conditions to the device may reduce device reliability. Specified typical performance or functional operation of the device under Absolute Maximum Rating conditions is not implied.

RoHS status based on EU Directive 2002/95/EC (at time of this document revision).

The information in this publication is believed to be accurate and reliable. However, no responsibility is assumed by MiniRF, Inc. ("MiniRF") for its use, nor for any infringement of patents, or other rights of third parties, resulting from its use. No license is granted by implication or otherwise under any patent or patent rights of MiniRF. MiniRF reserves the right to change component circuitry, recommended application circuitry and specifications at any time without prior notice.