

# XFM-1002-1UH

## 1:1 SMT TRANSFORMER

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



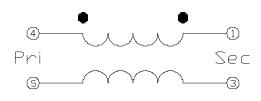
# **Product Description**

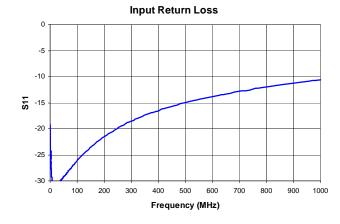
The XFM-1002-1UH transformer is designed for applications that require small, low cost, and reliable surface mount components. Applications may be found in broadband, wireless, and other communicating systems. These units are built Lead-Free and RoHS Compliant. S-Parameters are available on request.

### **Specifications**

Parameter	Specification			Unit
	Min.	Тур.	Max.	Offic
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			
Туре	Unbalanced to Unbalanced			

#### **Schematic**

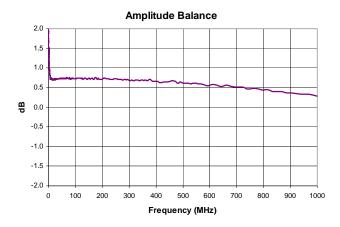


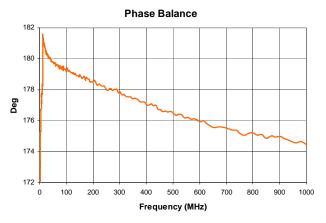




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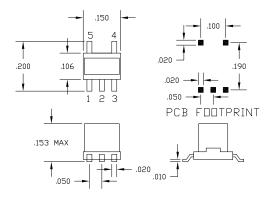




#### Pin Out

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).

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