XFK-2001-1UH

1:1 SMT TRANSFORMER

RoHS Compliant and Pb-Free Product
Package: S01

Features

- Frequency Range: 2.5 MHz to 2000 MHz
- Impedance Ratio: 1:1, Unbalanced to Unbalanced
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Nominal Impedance

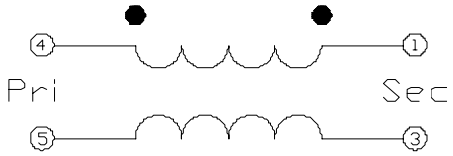
Product Description

The XFK-2001-1UH transformer is designed for applications that require small, low cost, and reliable surface mount components. Applications may be found in broad-band, wireless, and other communication systems. These units are built Lead-Free and RoHS Compliant. S-Parameters are available on request.

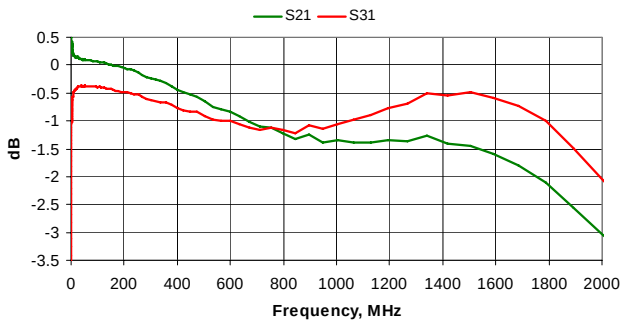
Specifications

Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	2.5		2000	MHz
Insertion Loss < 1dB				
Insertion Loss < 2dB				
Insertion Loss < 3dB	2.5		2000	
Impedance ration	1:1			
Type	Unbalanced to Unbalanced			

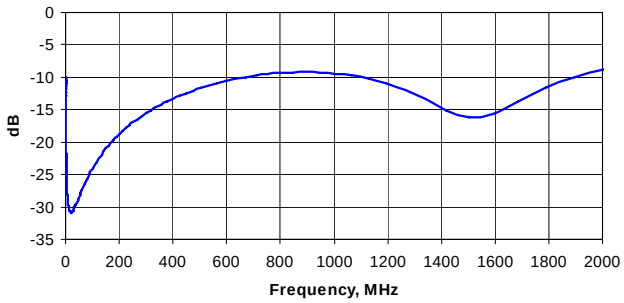
Schematic



Insertion Loss



Input Return Loss



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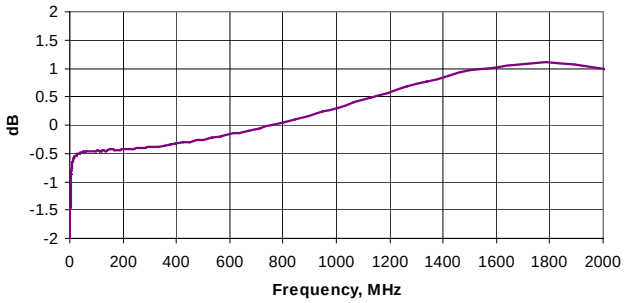
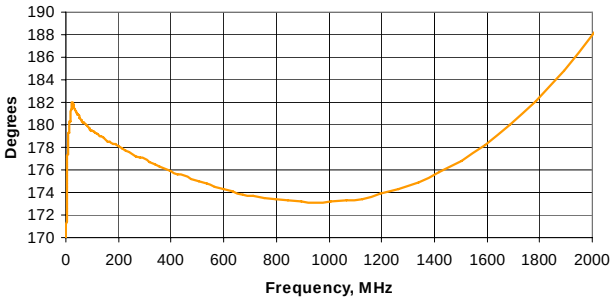
Amplitude Balance



Phase Balance



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	-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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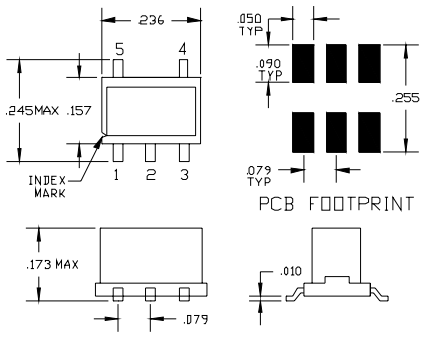
Package Drawing



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