

rfmd.com

XFK-1001-1UH 1:1 SMT TRANSFORMER

RoHS Compliant and Pb-Free Product Package: S01

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
- 75Ω Nominal Impedance

Product Description

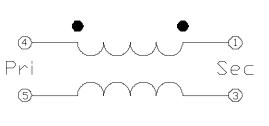
The XFK-1001-1UH transformer is designed for applications that require small, low cost, and highly reliable surace mount components. Applications may be found in broadband, wireless, and other communications systems. These transformers are built Lead-Free and RoHS Compliant. S-Parameters are available on request.



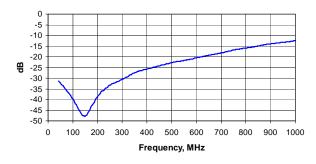
Specifications

Parameter	Specification			Unit
	Min.	Тур.	Max.	onic
Frequency Range	40		1000	MHz
Insertion Loss			1	dB
Amplitude Balance			1	dB
Phase Balance			6	٥
Input Return Loss	10			dB
Impedance Ratio	1:1			
Туре	Unbalanced to Unbalanced			

Schematic

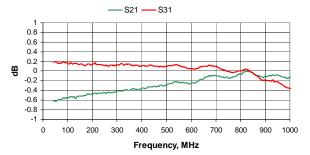






support, contact R

Insertion Loss and Amp Balance



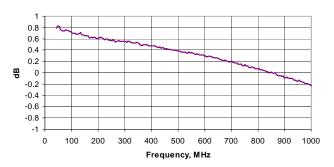
md

RF MIGO DEVICES®, RFMD®, Optimum Tachnology Matching®, Enabling Wireless Connectivity^{IM}, PowerStar®, POLARS^{IM} TOTAL RADIO^{IM} and UltimateBluew^{II} are trademarks of RFMD. LLC. BLUETOOTH is a trademark owned by Bluetooth SIG, Inc., U.S.A and licensed for use by RFMD. All other trade names, trademarks and registered trademarks are the property of their respective owners. ©2006, RF Micro Devices, Inc. 7628 Thorndike Road, Greensboro, NC 27409-9421 · For sales or technical

(+1) 326-678-5570 or sales-supported

XFK-1001-1UH

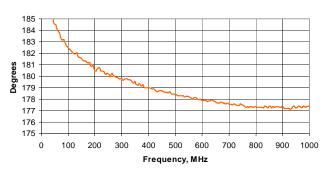
Amplitude Balance



Phase Balance

RFMD

rfmd.com



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).

The information in this publication is believed to be accurate and reliable. However, no responsibility is assumed by RF Micro Devices, Inc. ("RFMD") 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 RFMD. RFMD reserves the right to change component circuitry, recommended application circuitry and specifications at any time without prior notice.

Pin Out		
Pin	Name	
1	Secondary DOT	
2	NC	
3	Secondary	
4	Primary DOT	
5	Primary	

Package Drawing - S01

