RFMD
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XFK-0201-16WH

1:16 SMT TRANSFORMER

RoHS Compliant and Pb-Free Product
Package: S01

Features

- Frequency Range 13MHz to 200MHz
- Impedance Ratio: 1:16 Unbalanced to Balanced
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Nominal Impedance

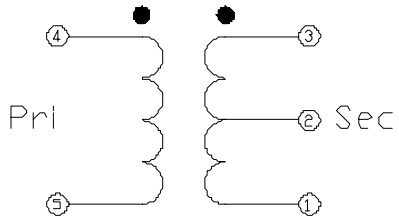
Product Description

The XFK-0201-16WH transformer is designed for applications that require small, low cost, and highly reliable surface 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.

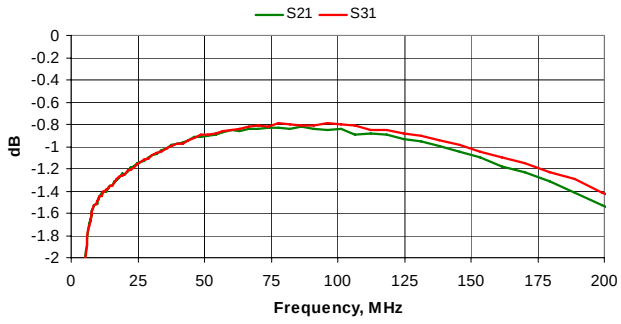
Specifications

Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	13		200	MHz
Insertion Loss <1dB				MHz
Insertion Loss <2dB				MHz
Insertion Loss <3dB	13		200	MHz
Impedance Ratio	1:16			
Type	Unbalanced to Balanced			

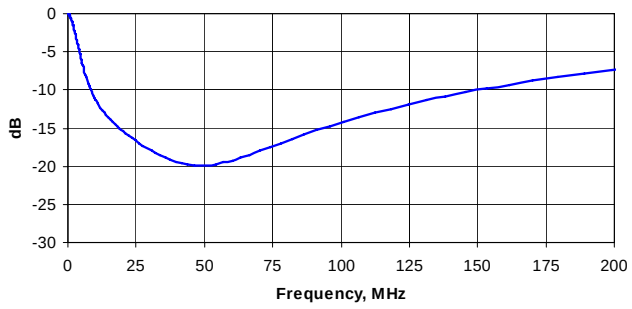
Schematic



Insertion Loss



Input Return Loss



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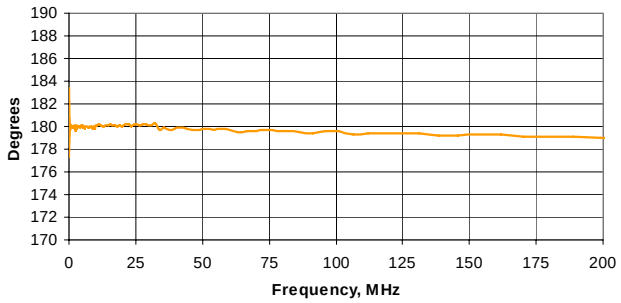
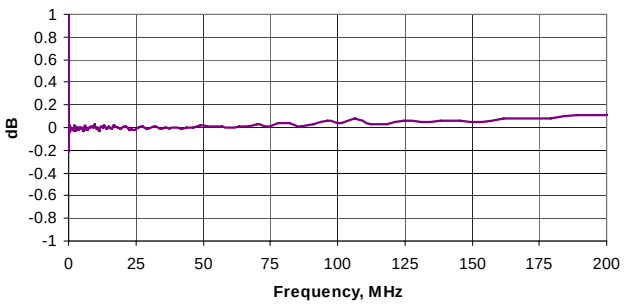
Phase Balance



Amplitude Balance



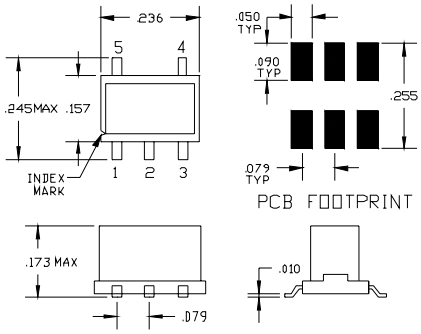
Pin Out

Pin	Name
1	Secondary
2	Secondary CT
3	Secondary DOT
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

Package Drawing - S01



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 EUDirective2002/95/EC (at time of this document revision).

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