

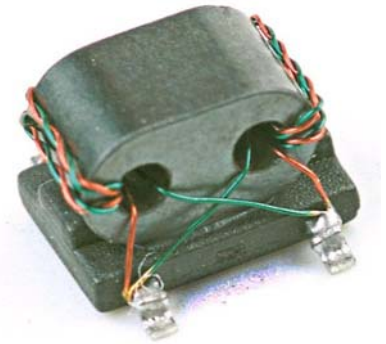
RoHS Compliant and Pb-Free Product
Package: S01

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

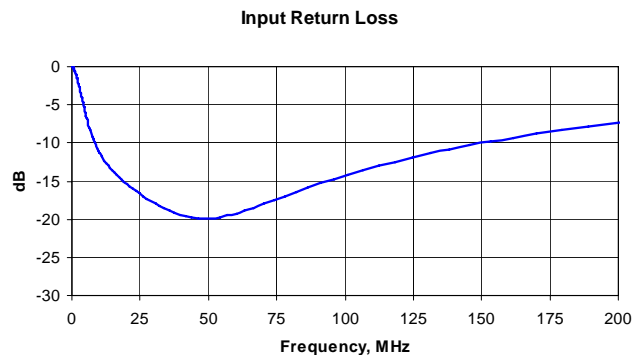
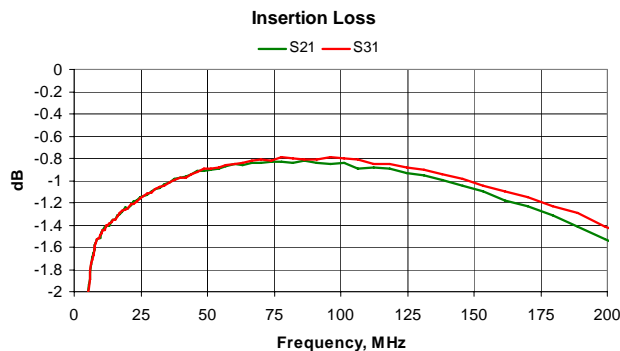
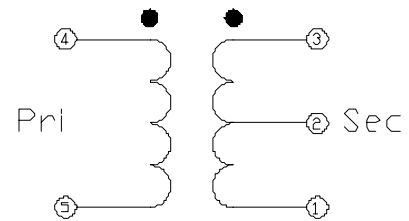
The XFK-0201-16WH transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other communications systems. These transformers are built Lead-Free and RoHS compliant. S-Parameters are available on request.



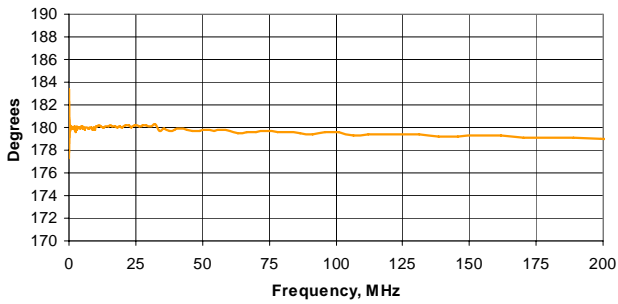
Specifications

| 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 | | | |

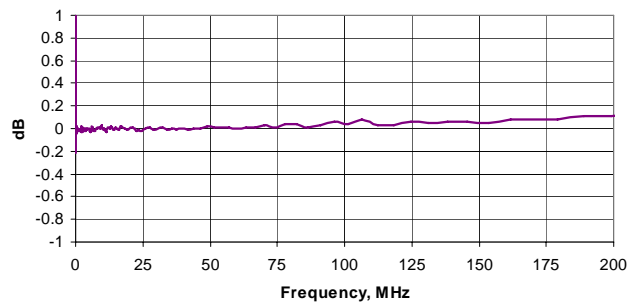
Schematic



Phase Balance



Amplitude Balance



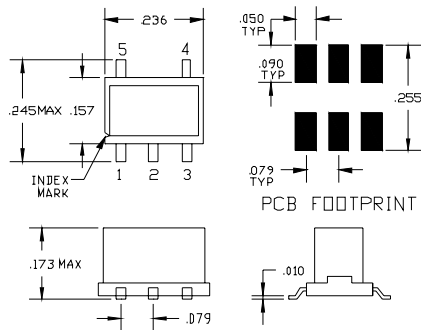
Pin Out

| 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 EU Directive 2002/95/EC (at time of this document revision).

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