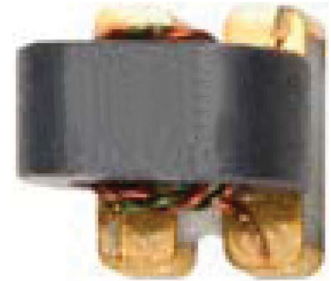




Features

- Frequency Range: 5 MHz to 1200MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 75Ω Characteristic Impedance



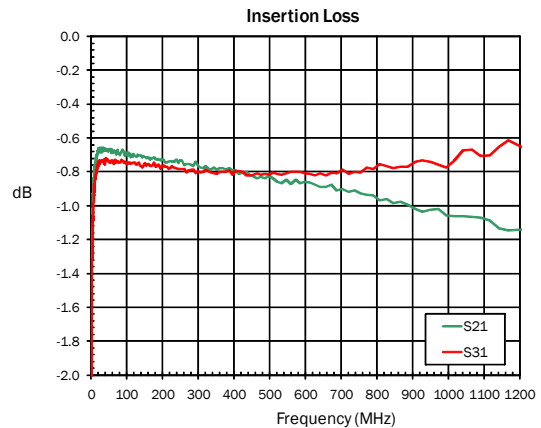
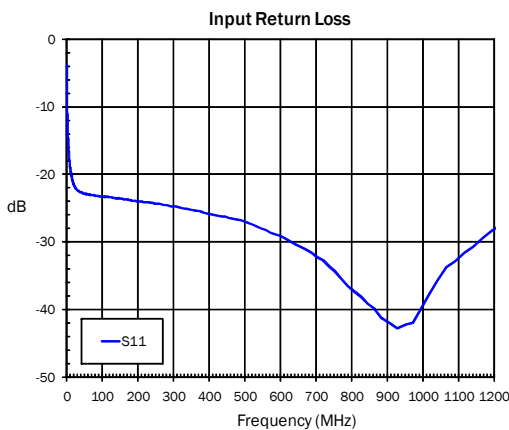
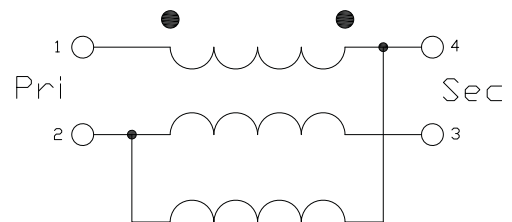
Product Description

The RFXF5704 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 units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

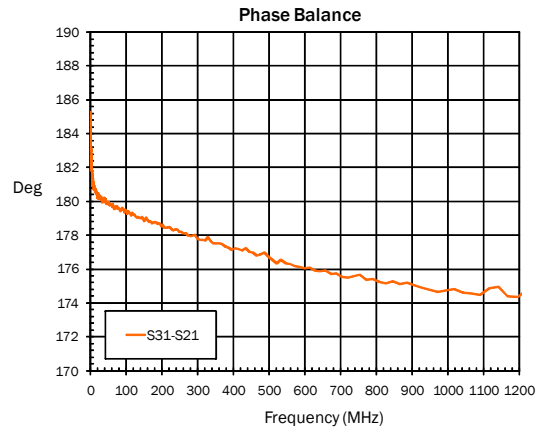
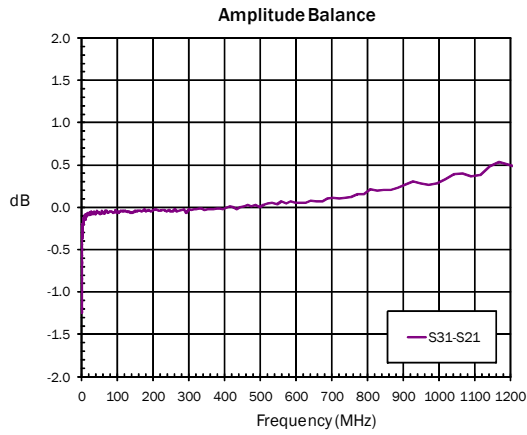
Specifications

| Parameter | Specification | | | Unit |
|----------------------|------------------------|------|------|------|
| | Min. | Typ. | Max. | |
| Frequency Range | 5 | | 1200 | MHz |
| Insertion Loss < 1dB | 5 | | 800 | MHz |
| Insertion Loss < 2dB | 5 | | 1200 | MHz |
| Insertion Loss < 3dB | | | | MHz |
| Amplitude Balance | | 0.5 | 1 | dB |
| Phase Balance | | 7 | 10 | ° |
| Impedance Ratio | 1:1 | | | |
| Type | Unbalanced to Balanced | | | |

Schematic



RFXF5704



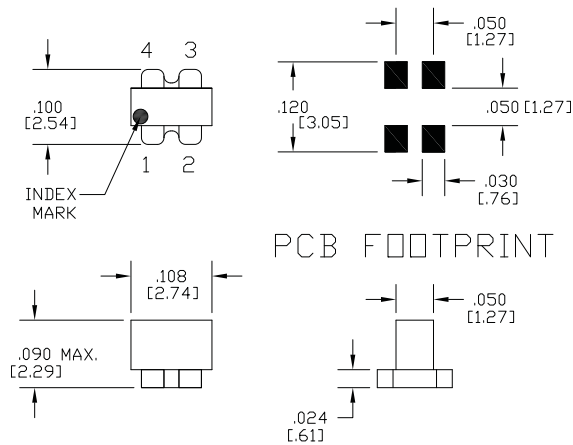
Pin Out

| Pin | Name |
|-----|---------------|
| 1 | Primary Dot |
| 2 | Primary |
| 3 | Secondary |
| 4 | Secondary Dot |

Absolute Maximum Ratings

| Parameter | Rating | Unit |
|-----------------------|-------------|------|
| RF Power | 1 | W |
| Operating Temperature | -20 to +85 | °C |
| Storage Temperature | -55 to +100 | °C |

Package Drawing - S21



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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