

RoHS Compliant and Pb-Free Product
Package: S20

Features

- Frequency Range: 500 MHz to 2500MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Characteristic Impedance



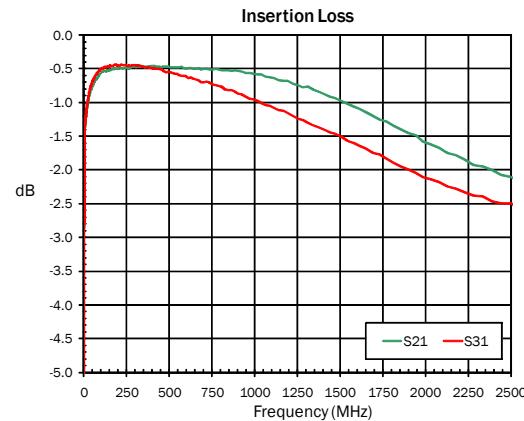
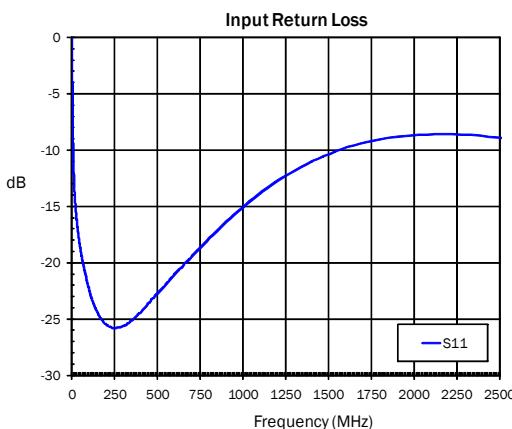
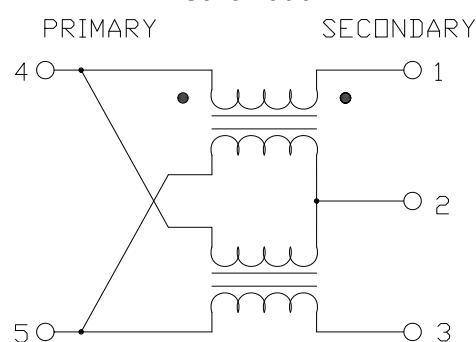
Product Description

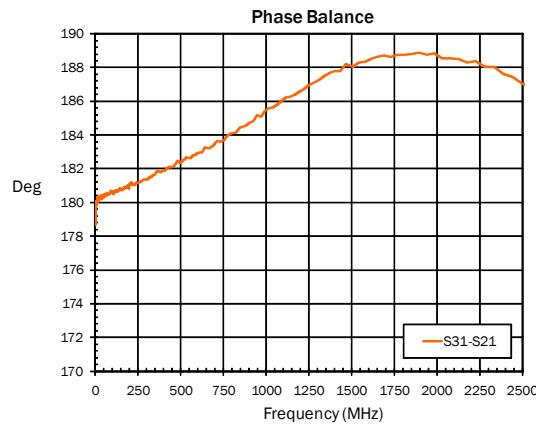
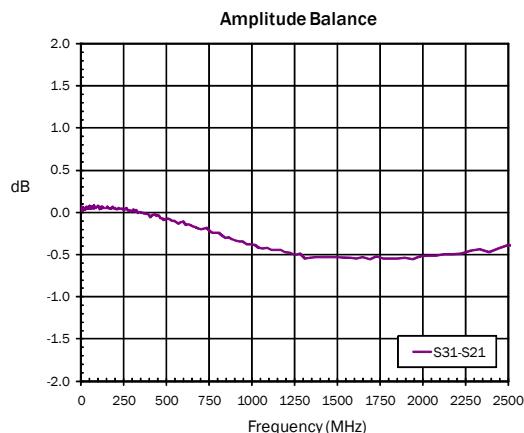
The RFXF8553 Transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other communications systems. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

Specifications

| Parameter | Specification | | | Unit |
|---------------------|------------------------|------|------|------|
| | Min. | Typ. | Max. | |
| Frequency Range | 500 | | 2500 | MHz |
| Insertion Loss <1dB | 500 | | 1000 | MHz |
| Insertion Loss <2dB | 500 | | 1500 | MHz |
| Insertion Loss <3dB | 500 | | 2500 | MHz |
| Impedance Ratio | 1:4 | | | |
| Type | Unbalanced to Balanced | | | |

Schematic





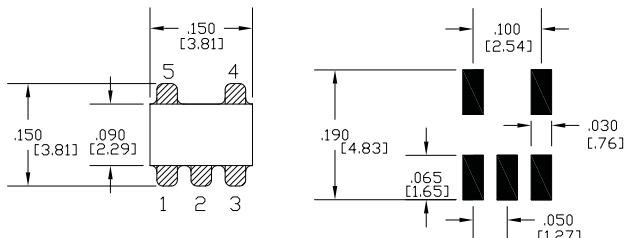
Pin Out

| Pin | Name |
|-----|---------------|
| 1 | Secondary Dot |
| 2 | Secondary CT |
| 3 | Secondary |
| 4 | Primary Dot |
| 5 | Primary |

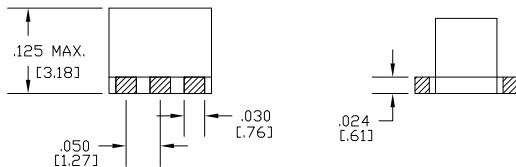
Absolute Maximum Ratings

| Parameter | Rating | Unit |
|-----------------------|-------------|------|
| RF Power | 2 | W |
| Operating Temperature | -40 to +85 | °C |
| Storage Temperature | -55 to +100 | °C |

S20 Package Drawing



PCB FOOTPRINT



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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