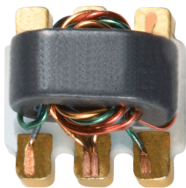


Package: S-20

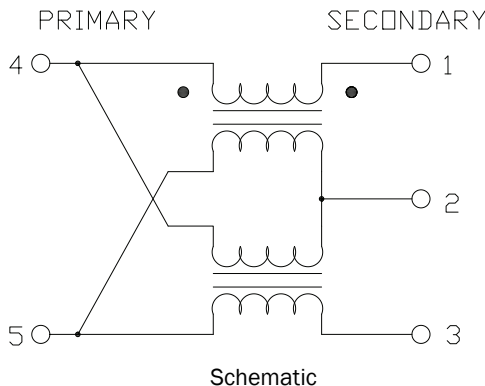


### Features

- Frequency Range 2MHz to 1000MHz
- Low Cost and RoHS Compliant
- Transmission Line
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Characteristic Impedance

### Applications

- Broadband/CATV
- Wireless



### Product Description

The RFXF3553 transformer is designed for applications that require very 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.

| Parameter  | Specification          |      |      | Unit | Condition |
|--|------------------------|------|------|------|-----------|
|  | Min.                   | Typ. | Max. |      |           |
| Typical values represent Mid-Band performance at 25 °C |                        |      |      |      |           |
| Frequency Range  | 2                      |      | 1000 | MHz  |           |
| Insertion Loss <1 dB                                   | 2                      |      | 400  | MHz  |           |
| Insertion Loss <2 dB                                   | 2                      |      | 1000 | MHz  |           |
| Insertion Loss <3 dB                                   | -                      |      | -    | MHz  |           |
| Amplitude Balance                                      |                        | 0.2  | 1.0  | dB   |           |
| Phase Balance  |                        | 3    | 10   | °    |           |
| Impedance Ratio  | 1:4                    |      |      |      |           |
| Type - Transmission Line                               | Unbalanced to Balanced |      |      |      |           |

### Absolute Maximum Ratings

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

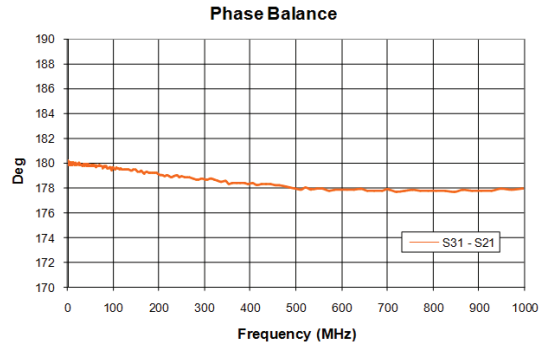
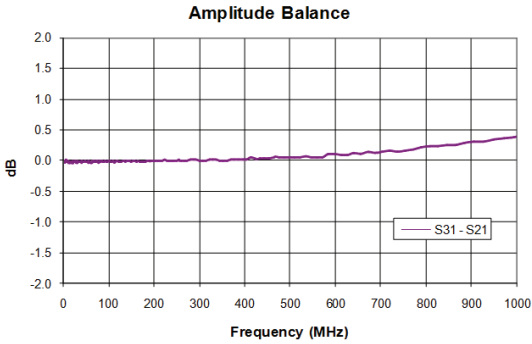
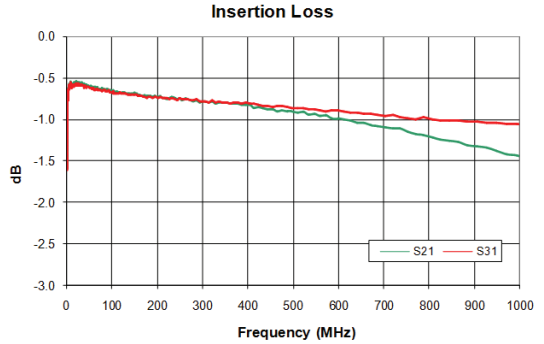
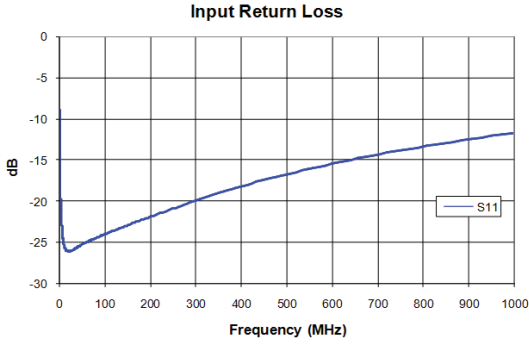


**Caution!** ESD sensitive device.

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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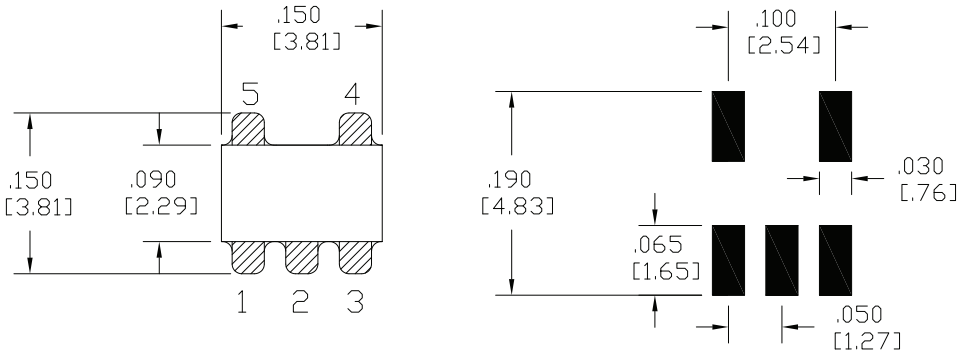


### Pin Out

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

### Package Drawing - S20

Dimensions in inches (millimeters)



### PCB FOOTPRINT

