



**THE DATASHEET OF  
RFXF8553-TR13**



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



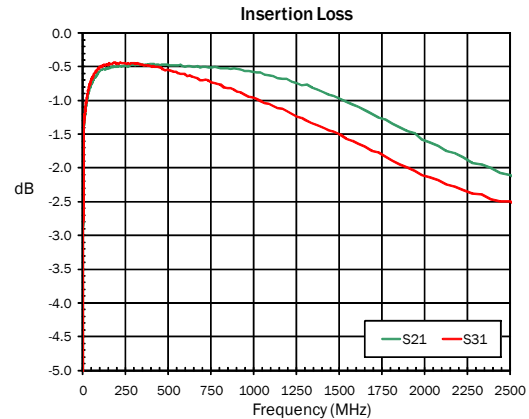
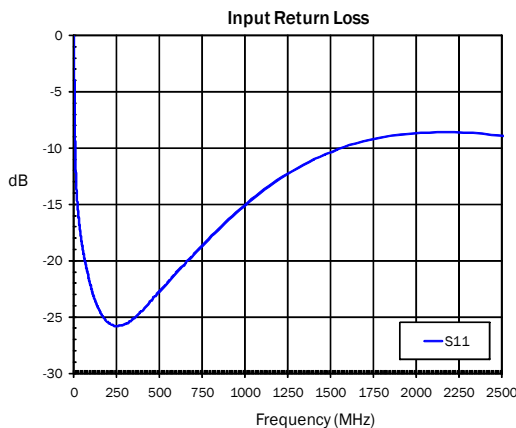
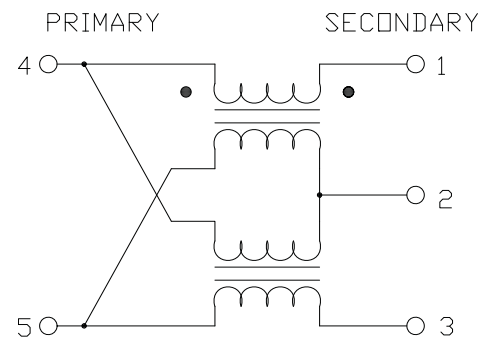
### Product Description

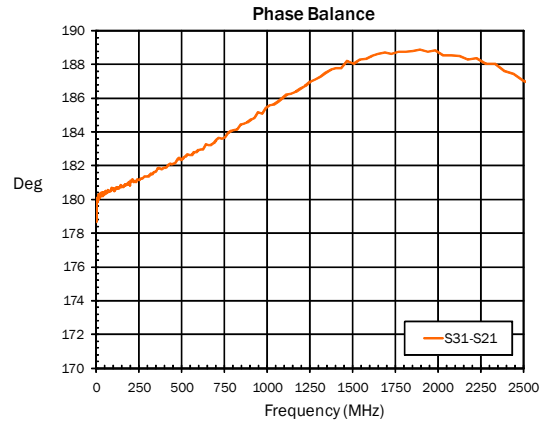
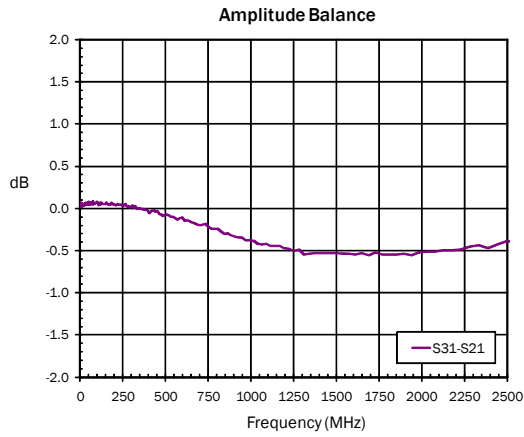
The RFXF8553 Transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other communications systems. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

### 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





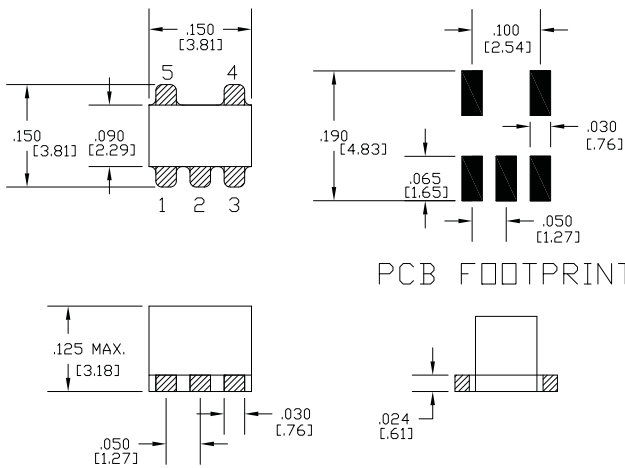
### Pin Out

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





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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