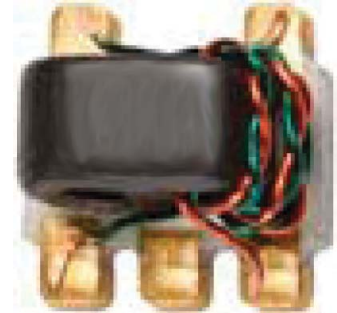


RoHS Compliant and Pb-Free Product  
Package: S20

### Features

- Frequency Range: 3 MHz to 3000MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Characteristic Impedance



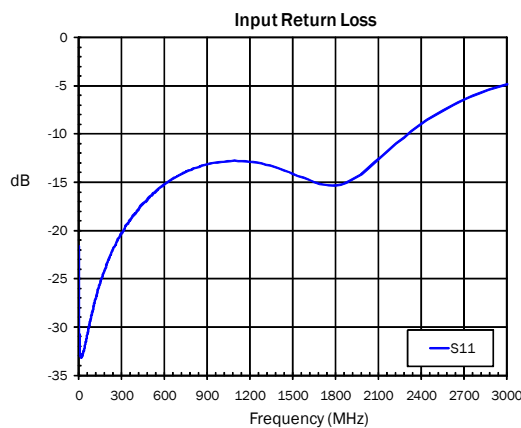
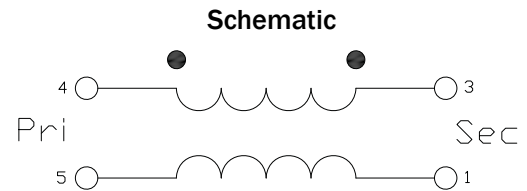
### Product Description

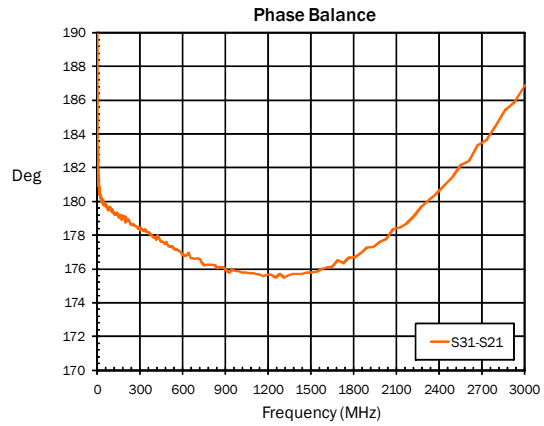
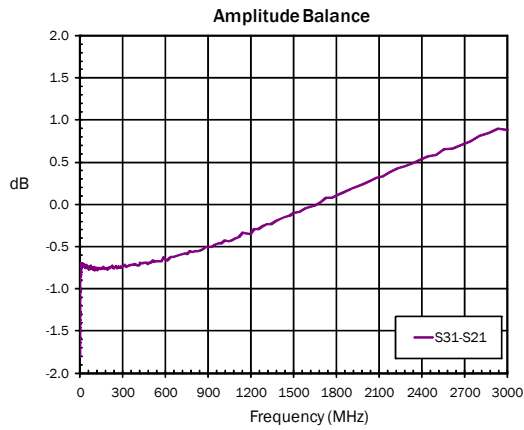
The RFXF9503 Transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other communications systems. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

### Specifications

Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	3		3000	MHz
Insertion Loss <1dB	3		1800	MHz
Insertion Loss <2 dB	3		2400	MHz
Insertion Loss <3 dB	3		2700	MHz
Insertion Loss <3.5 dB	3		3000	MHz
Impedance Ratio	1:1			
Type	Unbalanced to Balanced			

Note: Typical values represent Mid-band performance at 25 °C.





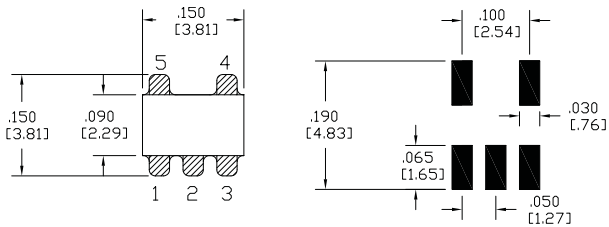
### Pin Out

Pin	Name
1	Secondary
2	NC
3	Secondary Dot
4	Primary Dot
5	Primary

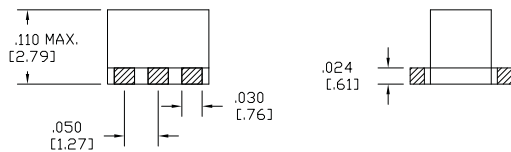
### Absolute Maximum Ratings

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 EUDirective2002/95/EC (at time of this document revision).

The information in this publication is believed to be accurate and reliable. However, no responsibility is assumed by MiniRF, Inc. ("MiniRF") for its use, nor for any infringement of patents, or other rights of third parties, resulting from its use. No license is granted by implication or otherwise under any patent or patent rights of MiniRF. MiniRF reserves the right to change component circuitry, recommended application circuitry and specifications at any time without prior notice.