RFMD
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RFXF9503

1:1 SMT TRANSFORMER

RoHS Compliant and Pb-Free Product
Package: S20

Features

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

Product Description

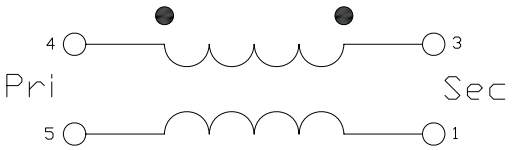
The RFXF9503 Transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broad-band, wireless, and other commincations systems. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

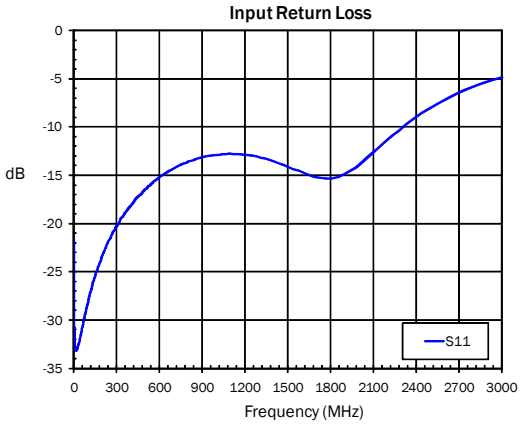
Specifications

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

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

Schematic





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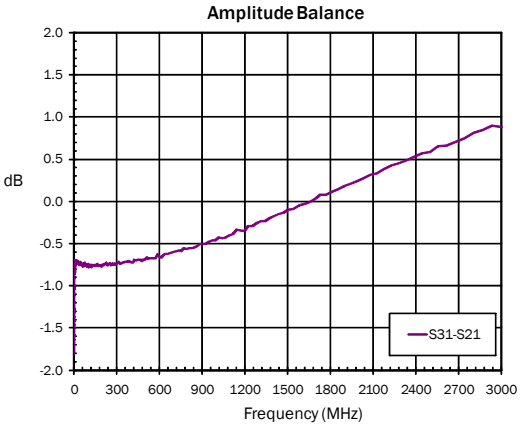
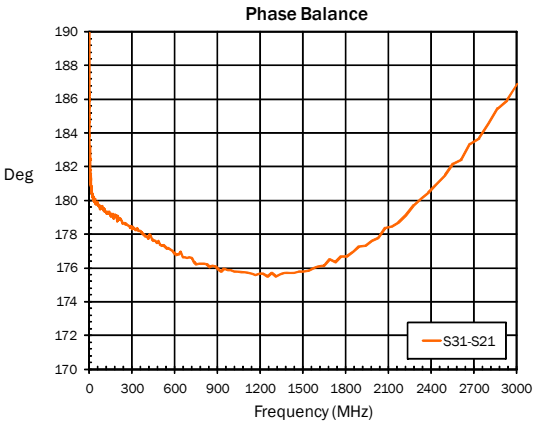




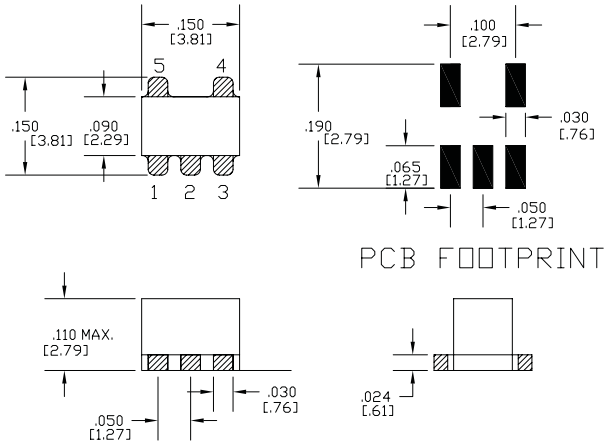
Pin Out

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

Package Drawing - S20



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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