RFMD

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RFXF5704

1:1 SMT TRANSFORMER

Package: S21

Features

- Frequency Range: 5 MHz to 1200 MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 75Ω Characteristic Impedance

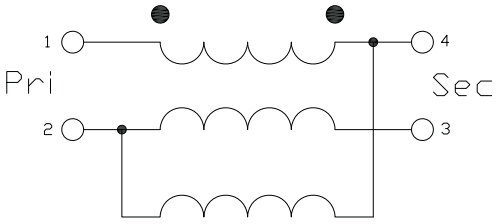
Product Description

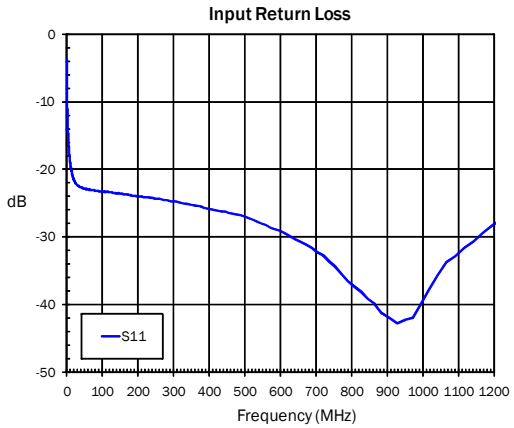
The RFXF5704 Transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broad-band, wireless, and other commincations systems. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

Specifications

Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	5		1200	MHz
Insertion Loss <1dB	5		800	MHz
Insertion Loss<2dB	5		1200	MHz
Insertion Loss <3dB				MHz
Amplitude Balance		0.5	1	dB
Phase Balance		7	10	°
Impedance Ratio	1:1			
Type	Unbalanced to Balanced			

Schematic





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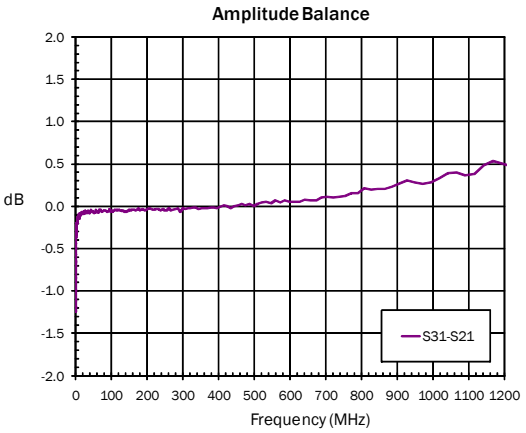
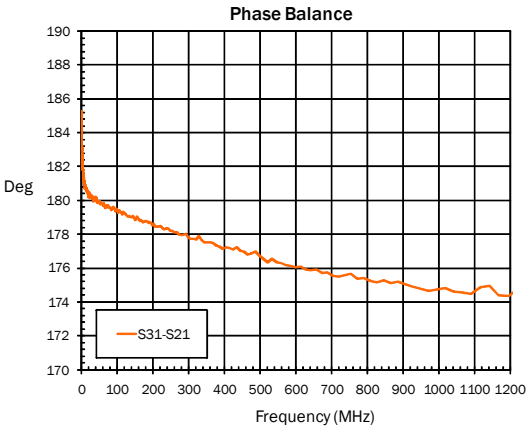




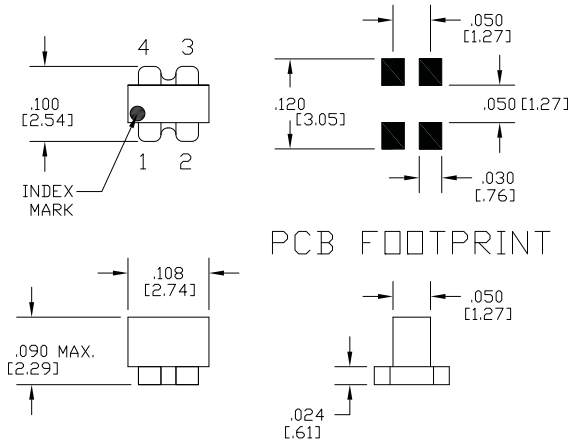
Pin Out

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

Absolute Maximum Ratings

Parameter	Rating	Unit
RF Power	1	W
Operating Temperature	-20 to +85	° C
Storage Temperature	-55 to +100	° C

Package Drawing - S21



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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