

RFXF9504

1:1 SMT TRANSFORMER

RoHS Compliant and Pb-Free Product Package: S21

Features

- Frequency Range: 5 MHz to 3000 MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Characteristic Impedance



Product Description

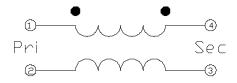
The RFXF9504 Transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other commincations systems. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

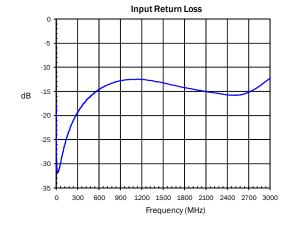
Specifications

Parameter	Specification			Unit
	Min.	Тур.	Max.	Oille
Frequency Range	5		3000	MHz
Insertion Loss < 1dB	5		1200	MHz
Insertion Loss<2dB	5		2700	MHz
Insertion Loss < 3 dB	5		3000	MHz
Impedance Ratio		1:1		
Туре	Unbalanced to Balanced			

Note: Typical values represent midband performance at T=25 ° C.

Schematic



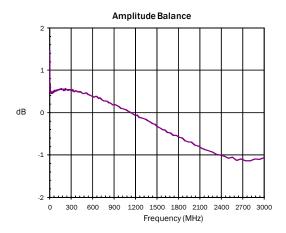


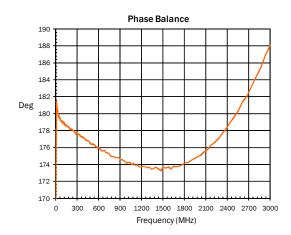


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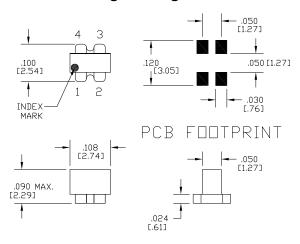
Pin Out

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 EUDirective 2002/95/EC (at time of this document revision).

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