

RFXF2553 1:4 SMT TRANSFORMER

RoHS Compliant and Pb-Free Product Package: S-20



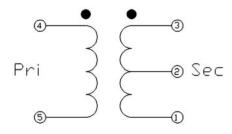


Features

- Frequency Range 1 -350 MHz
- Low Cost and RoHS Compliant
- Flux Coupled
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Characteristic Impedance

Applications

- Broadband
- Wireless Communications



Schematic

Product Description

The RFXF2553 Transformer is designed for applications that require very 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 and feature welded wire construction for increased reliability. S-Parameters are available on request.

Ordering Information

Part Number	0
RFXF2553SQ	1
RFXF2553SR	1

Description 1-350Mhz 1:4 SMT Transformer 1-350Mhz 1:4 SMT Transformer Reel Size Package N/A 13"

25+ pcs Bag 100+ pcs/Reel

Optimum Technology Matching® Applied

md c

GaAs HBT GaAs MESFET InGaP HBT

support, contact R

SiGe BiCMOS Si BiCMOS SiGe HBT

GaN HEMT GaAs pHEMT Si CMOS BIFET HBT LDM0S Si BJT

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7628 Thorndike Road, Greensboro, NC 27409-9421 · For sales or technical

RFXF2553



Absolute Maximum Ratings

Parameter	Rating	Unit
RF Power	2	W
Operating Temperature	-40 to +85	°C
Storage Temperature	-55 to +100	°C



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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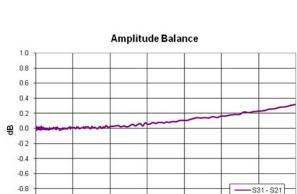
Parameter	S	pecification		Unit	Condition	
Falameter	Min.	Тур.	Max.	Unit	Condition	
					Typical values represent Mid-Band performance at 25 °C	
Frequency	1		350	MHz		
Insertion Loss <1 dB	1		350	MHz		
Insertion Loss <2 dB	-		-	MHz		
Insertion Loss <3 dB	-		-	MHz		
Amplitude Balance		0.2	0.5	dB		
Phase Balance		2	5	٥		
Impedance Ratio	1:4					
Туре	Unbalanced to Balanced					



50

0

100



150

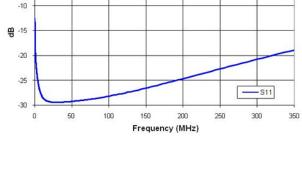
200

Frequency (MHz)

250

300

350



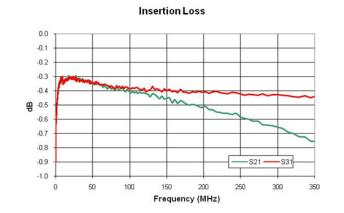
Input Return Loss

RFMD 🔊

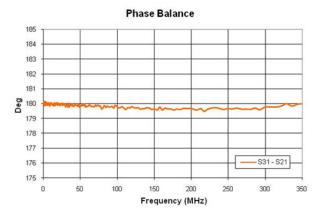
rfmd.com

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RFXF2553

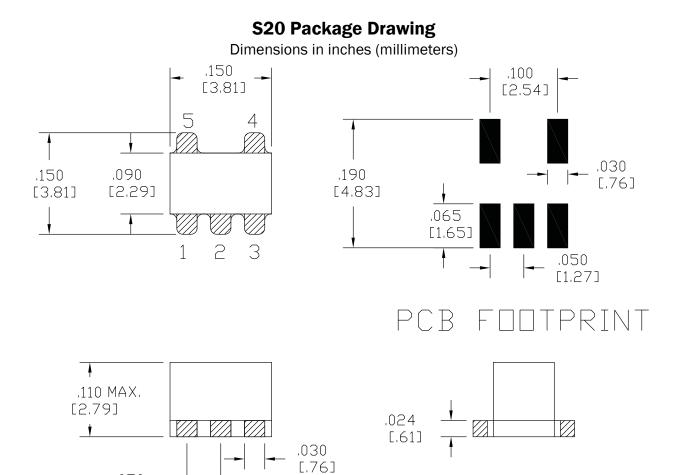






Pin Out

Pin	Function
1	Secondary
2	Secondary CT
3	Secondary Dot
4	Primary Dot
5	Primary



.050 [1.27]

