

RFXF2513

1:1 SMT TRANSFORMER

Package: S-20





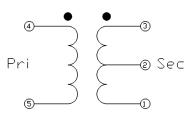


Features

- Frequency Range .3MHz to 200MHz
- Low Cost and RoHS Compliant
- Flux Coupled
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Characteristic Impedance

Applications

- Broadband/CATV
- Wireless
- Smart Energy AMI



Schematic

Product Description

The RFXF2513 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	Description	Reel	Size Package
RFXF2513SB	0.3 MHz to 200 MHz 1:1 SMT Transformer	N/A	5-piece bag
RFXF2513SQ	0.3 MHz to 200 MHz 1:1 SMT Transformer	N/A	25-piece bag
RFXF2513SR	0.3MHz to 200MHz 1:1 SMT Transformer	13"	100 piece reel
RFXF2513TR13	0.3 MHz to 200 MHz 1:1 SMT Transformer	13"	1000 piece reel

Optimum Technology Matching® Applied

☐ GaAs HBT	☐ SiGe BiCMOS	☐ GaAs pHEMT	☐ GaN HEMT
☐ GaAs MESFET	☐ Si BiCMOS	☐ Si CMOS	☐ BiFET HBT
☐ InGaP HBT	☐ SiGe HBT	☐ Si BJT	☐ LDMOS

RFXF2513



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.

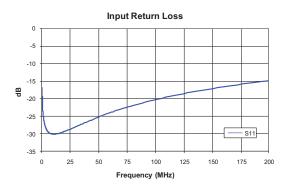
RoHS status based on EUDirective 2002/95/EC (at time of this document revision).

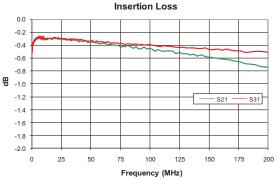
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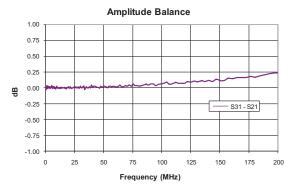
Parameter	S	Specification		Unit	Condition	
Farainetei	Min.	Тур.	Max.	Unit	Condition	
					Typical values represent Mid-Band performance at 25 °C	
Frequency Range	.3		200	MHz		
Insertion Loss <1 dB	.3		200	MHz		
Insertion Loss <2 dB	-		-	MHz		
Insertion Loss <3 dB	-		-	MHz		
Amplitude Balance, .3MHz to 50MHz			0.1	dB		
Amplitude Balance, .3MHz to 200MHz			0.5	dB		
Phase Balance, .3MHz to 50MHz			1	٥		
Phase Balance, .3MHz to 200MHz			5	۰		
Input Return Loss	10			dB		
Impedance Ratio		1:1	•			
Type - Flux Coupled	Unbal	anced to Ba	lanced			

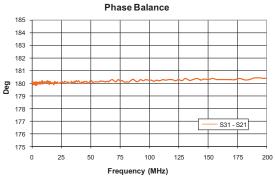














Pin Out

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

Package Drawing - S20

Dimensions in inches (millimeters)

