

# **RFXF2513 1:1 SMT TRANSFORMER**

#### Package: S-20



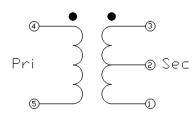


### **Features**

- Frequency Range .3MHz to 200 MHz
- 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	0.3 MHz to 200 MHz 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

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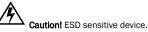
8 Thorr time Road, Greensbyro, NC 27409-94310 or sales whething ort, contact REMD at (+1) 336-678-5570 rsales (urpor@) (n d.con

# **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).

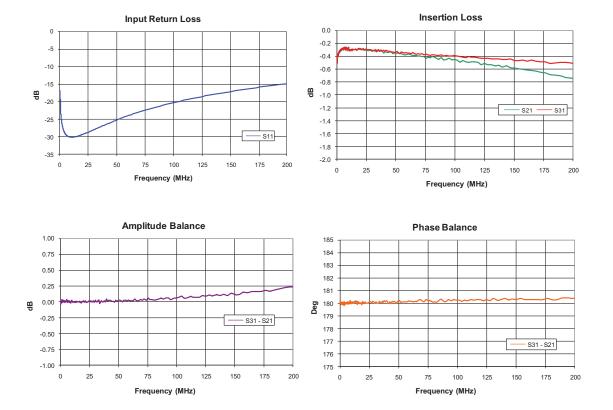
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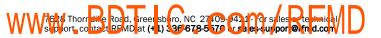
Parameter	S	pecificatio	on	Unit	Condition
Farameter	Min.	Тур.	Max.	Unit	Condition
					Typical values represent Mid-Band performance at 25 °C
Frequency Range	.3		200	MHz	
Insertion Loss <1 dB	.3		200	MHz	
Insertion Loss <2 dB	-		-	MHz	
Insertion Loss <3 dB	-		-	MHz	
Amplitude Balance, .3MHz to 50MHz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







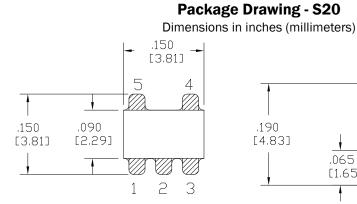


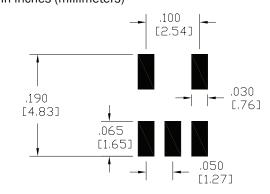




#### Pin Out

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





# PCB FOOTPRINT

