

# **RFXF2533**

#### 1:2 SMT TRANSFORMER

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



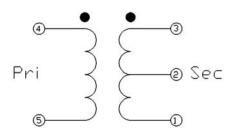


#### **Features**

- Frequency Range 2 -350MHz
- Low Cost and RoHS Compliant
- Flux Coupled
- Industry Standard SMT package
- Available in Tape-and -Reel
- $50\Omega$  Characteristic Impedance

### **Applications**

- Broadband
- Wireless Communications



#### Schematic

#### **Product Description**

The RFXF2533 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
RFXF2533SQ	2-350Mhz 1:2 SMT Transformer	N/A	25+ pcs Bag
RFXF2533SR	2-350Mhz 1:2 SMT Transformer	13"	100+ pcs/Reel

#### **Optimum Technology Matching® Applied**

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

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## **RFXF2533**



#### **Absolute Maximum Ratings**

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



#### Caution! ESD sensitive device.

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.

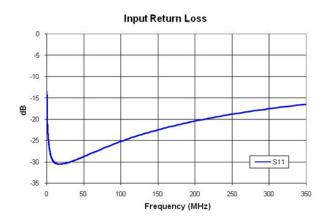
RoHS status based on EUDirective 2002/95/EC (at time of this document revision).

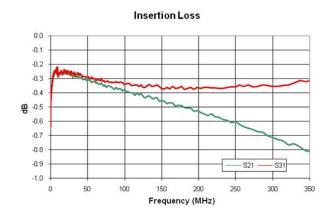
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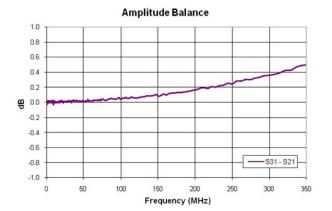
Parameter	S	pecificatio	on	Unit	Condition	
raiailletei	Min.	Тур.	Max.	Offic	Condition	
					Typical values represent Mid-Band performance at 25 °C	
Frequency	2		350	MHz		
Insertion Loss <1 dB	2		350	MHz		
Insertion Loss <2 dB	-		-	MHz		
Insertion Loss <3 dB	-		-	MHz		
Amplitude Balance		0.2	0.7	dB		
Phase Balance		2	6	۰		
Impedance Ratio		1:2	•			
Туре	Unbal	anced to Bal	anced			

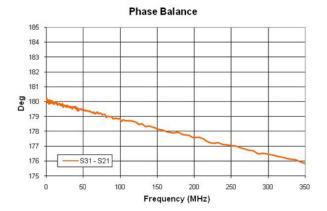












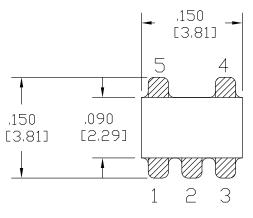


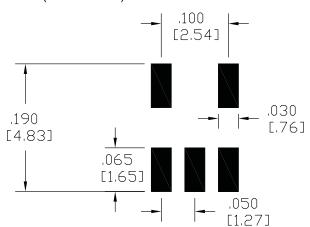
Pin Out

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

### **S20 Package Drawing**

Dimensions in inches (millimeters)





## PCB FOOTPRINT

