

RFXF0013

1:1 SMT TRANSFORMER

Package: S-20C



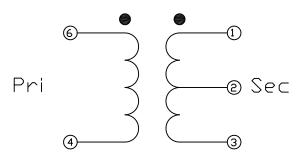


Features

- Frequency Range 5MHz to 200MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and-Reel
- ullet 75 Ω Characteristic Impedance

Applications

- Broadband/CATV
- Wireless



Functional Block Diagram

Product Description

The RFXF0013 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 communications systems. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

Ordering Information

RFXF0013SQ Sample bag with 25 pieces
RFXF0013SR 13" Sample reel with 100 pieces
RFXF0013TR13 13" Reel with 1000 pieces

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	

RFXF0013



Absolute Maximum Ratings

Parameter	Rating	Unit
RF Power	2	W
Operating Temperature	-45 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 by pixel performance or functional operation of the device under Absolute Maximum Rating conditions is not implied.

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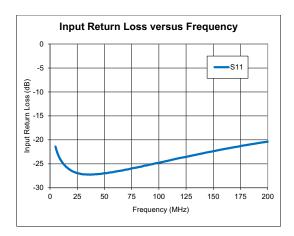
RoHS (Restriction of Hazardous Substances): Compliant per EU Directive 2002/95/EC.

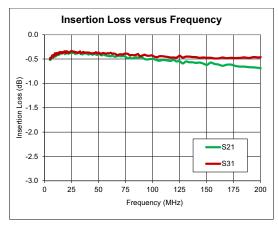
Parameter	Specification		Unit	Condition	
	Min.	Тур.	Max.	Oill	Condition
Overall					Typical values represent Mid-Band performance at 25 °C
Frequency Range	5		200	MHz	
Insertion Loss		0.5	0.8	dB	
Amplitude Balance		0.2	0.5	dB	
Phase Balance		2	5	Deg	Nominal Phase Difference is 180°
Input Return Loss	15	22		dB	
Impedance Ratio, P:S		1:1	Ĺ		
Type - Flux Coupled		Unbalance to	Balanced		

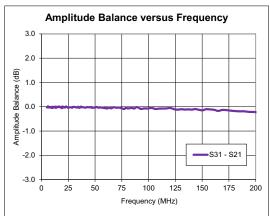


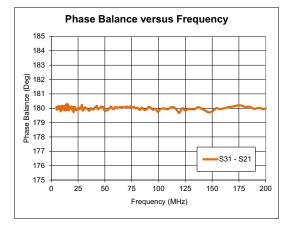


Typical Data











Pin Names and Descriptions

Pin	Name	Description
1	SECONDARY	Output (Port 2)
	DOT	
2	SECONDARY	Ground
	CT	
3	SECONDARY	Output (Port 3)
4	PRIMARY	Ground
6	PRIMARY	Input (Port 1)
	DOT	

Package Drawing - S20C

Dimensions in inches (millimeters)

