RFXF0573

1:16 SMT TRANSFORMER

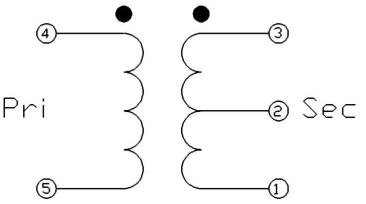
Package: S-20

Features

- Frequency Range 5MHz to 40MHz
- Low Cost and RoHS Compliant
- Flux Coupled
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Characteristic Impedance

Applications

- Broadband/CATV
- Wireless



Schematic

Product Description

The RFXF0573 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

Part Number	Description	Reel Size	Package
RFXF0573SB	5 MHz to 40 MHz 1:16 SMT Transformer	N/A	5-piece bag
RFXF0573SQ	5 MHz to 40 MHz 1:16 SMT Transformer	N/A	25-piece bag
RFXF0573SR	5 MHz to 40 MHz 1:16 SMT Transformer	13”	100-piece reel
RFXF0573TR13	5 MHz to 40 MHz 1:16 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

7628 Thorndike Road, Greensboro, NC 27409-9421 · For sales or technical support, contact RFMD at (+1) 336-678-5570 or sales-support@rfmd.com.

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.

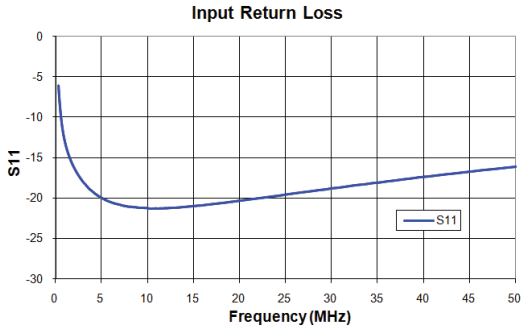
Exceeding any one or a combination of the Absolute Maximum Rating conditions may cause permanent damage to the device. Extended application of Absolute Maximum Rating conditions to the device may reduce device reliability. Specified typical performance or functional operation of the device under Absolute Maximum Rating conditions is not implied.

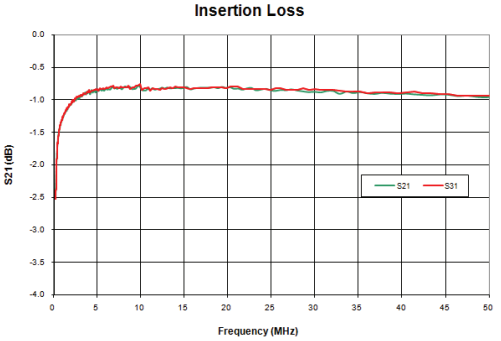
RoHS status based on EUDirective2002/95/EC (at time of this document revision).

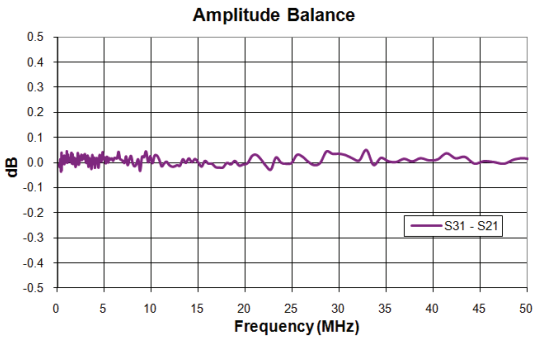
Parameter	Specification			Unit	Condition
	Min.	Typ.	Max.		
					Typical values represent Mid-Band performance at 25 °C
Frequency Range	5		40	MHz	
Insertion Loss <1 dB	5		40	MHz	
Insertion Loss <2 dB	-		-	MHz	
Insertion Loss <3 dB	-		-	MHz	
Amplitude Balance		0.1	0.3	dB	
Phase Balance		1.0	3.0	°	
Impedance Ratio	1:16				
Type - Flux Coupled	Unbalanced to Balanced				

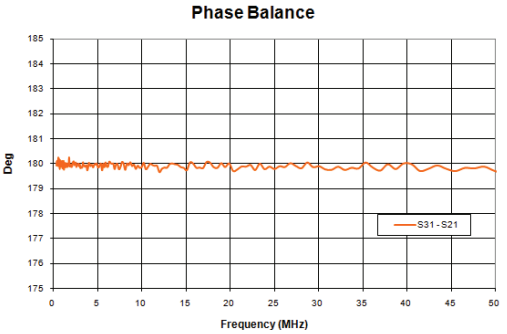
7628 Thorndike Road, Greensboro, NC 27409-9421 · For sales or technical support, contact RFMD at **(+1) 336-678-5570** or **sales-support@rfmd.com**.

Performance Plots







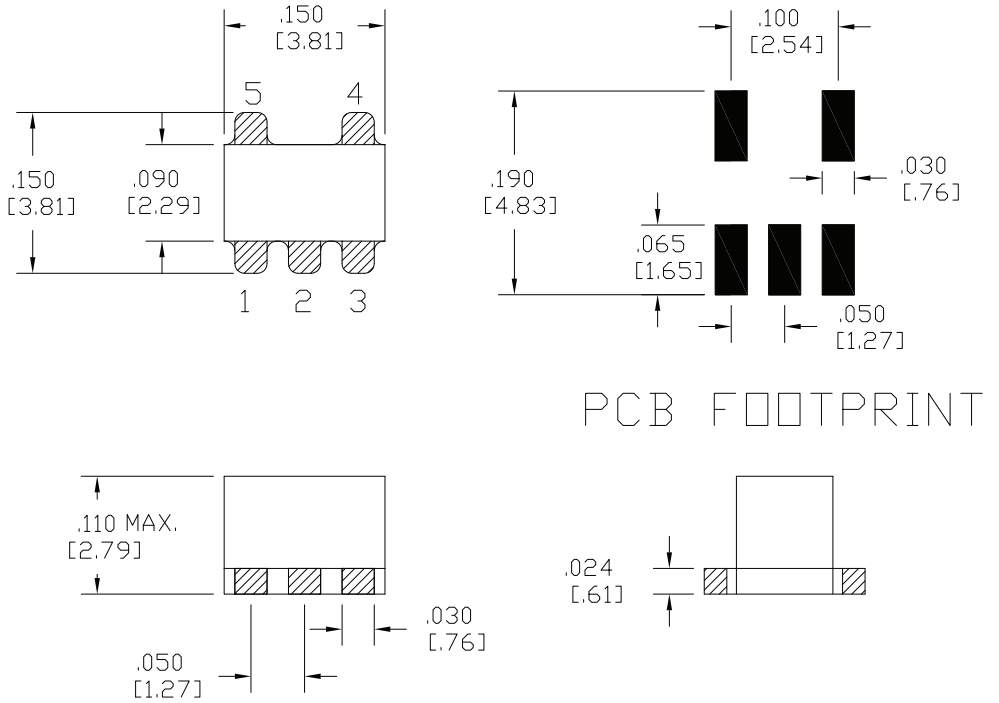


Pin Out

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

Package Drawing - S20

Dimensions in inches (millimeters)



7628 Thorndike Road, Greensboro, NC 27409-9421 · For sales or technical support, contact RFMD at (+1) 336-678-5570 or sales-support@rfmd.com.