

rfmd.com

# RFXF6553 1:4 SMT TRANSFORMER

#### RoHS Compliant and Pb-Free Product Package: S20

## Features

- Frequency Range: 10 MHz to 1900 MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Characteristic Impedance

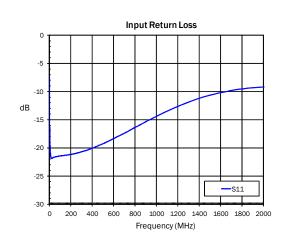
### **Product Description**

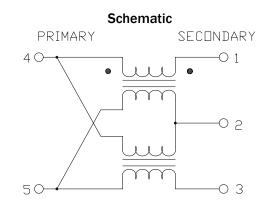
The RFXF6553 Transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other commincations systems. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

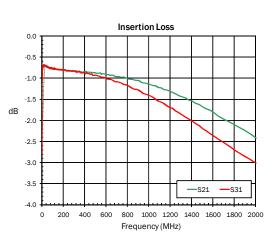
#### Specifications

Parameter	Specification			Unit	
	Min.	Тур.	Max.	Unit	
Frequency Range	10		1900	MHz	
Insertion Loss <1dB	10		500	MHz	
Insertion Loss <2dB	10		1000	MHz	
Insertion Loss <3dB	10		1900	MHz	
Amplitude Balance		1	2	dB	
Phase Balance		8	15	٥	
Impedance Ratio	1:4				
Туре	Unbalanced to Balanced				

Note: Typical values represent Mid-band performance at 25 °C.





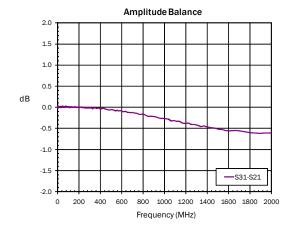


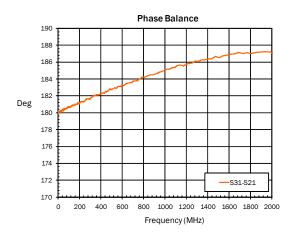
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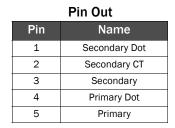
#### **Absolute Maximum Ratings**

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

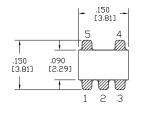
Exceeding any one or a combination of the Absolute Maximum Rating conditions may cause permanent damage to the device. Extended application of Absolute Maximum Rating conditions to the device may reduce device reliability. Specified typical performance or functional operation of the device under Absolute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

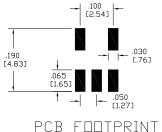
RoHS status based on EU Directive 2002/95/EC (at time of this document revision).

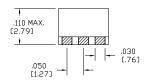
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#### S20 Package Drawing







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