

RoHS Compliant and Pb-Free Product  
Package: S18

**Features**

- Frequency Range: 5 MHz to 1200MHz
- Low Cost and RoHS Compliant
- Transmission Line, Center Tap
- Industry Standard SMT package
- Available in Tape-and-Reel
- 75Ω Characteristic Impedance

**Product Description**

The RFXF5712 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 and feature welded wire construction for increased reliability. S-Parameters are available on request.

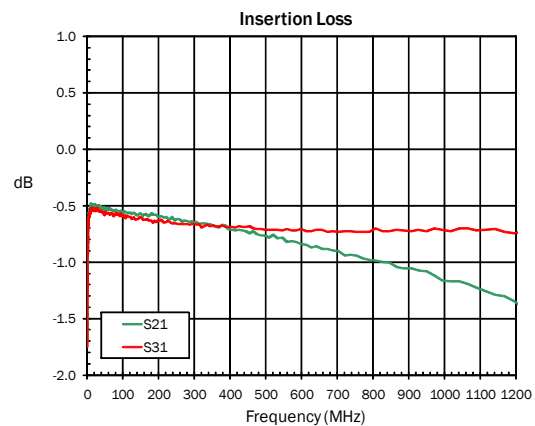
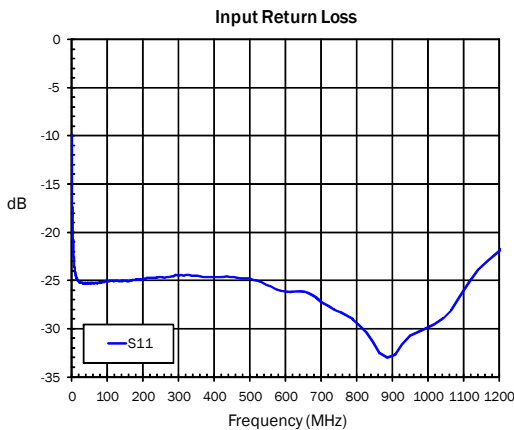
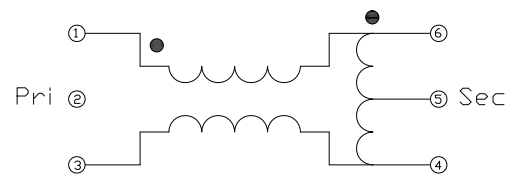


**Specifications**

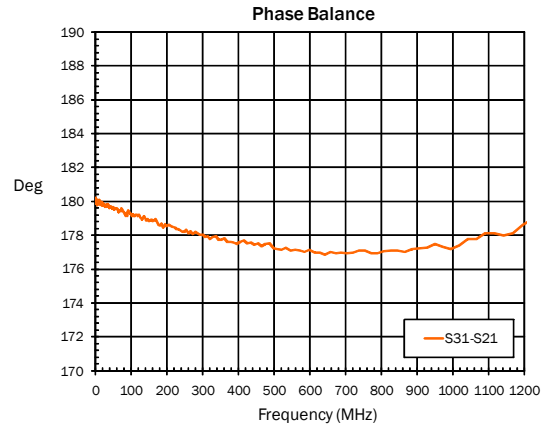
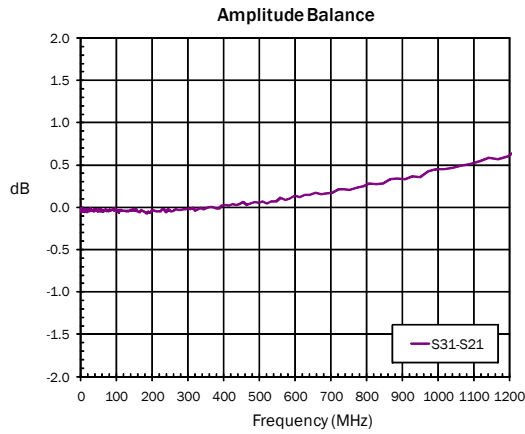
Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	5		1200	MHz
Insertion Loss < 1dB	5		1000	MHz
Insertion Loss < 2dB	5		1200	MHz
Insertion Loss < 3dB				MHz
Amplitude Balance		0.3	1.0	dB
Phase Balance		3	6	°
Impedance Ratio	1:1			
Type	Unbalanced to Balanced			

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

**Schematic**



RF MICRO DEVICES®, RFMD®, Optimum Technology Matching®, Enabling Wireless Connectivity™, PowerStar®, POLARIS™ TOTAL RADIO™ and UltimateBlue™ are trademarks of RFMD, LLC. BLUETOOTH is a trademark owned by Bluetooth SIG, Inc., U.S.A. and licensed for use by RFMD. All other trade names, trademarks and registered trademarks are the property of their respective owners. ©2006, RF Micro Devices, Inc.



### Pin Out

Pin	Name
1	Primary Dot
2	NC
3	Primary
4	Secondary
5	Secondary CT
6	Secondary Dot

### 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 EUDirective2002/95/EC (at time of this document revision).

The information in this publication is believed to be accurate and reliable. However, no responsibility is assumed by RF Micro Devices, Inc. ("RFMD") for its use, nor for any infringement of patents, or other rights of third parties, resulting from its use. No license is granted by implication or otherwise under any patent or patent rights of RFMD. RFMD reserves the right to change component circuitry, recommended application circuitry and specifications at any time without prior notice.

### S18 Package Drawing

