



RoHS Compliant and Pb-Free Product
Package: S18

Features

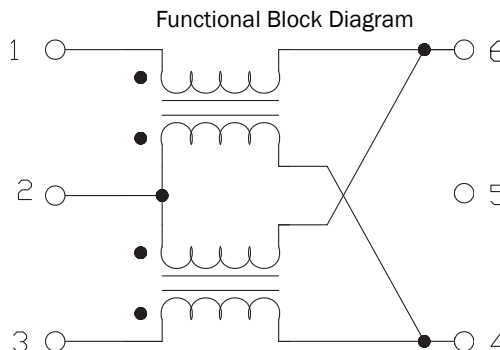
- Frequency Range 5MHz to 1000MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and-Reel
- 75 Ω Characteristic Impedance

Applications

- Broadband/CATV
- Wireless

Product Description

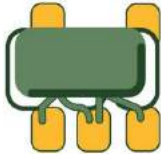
The RFCP4792 Surface Mount Coupler is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other communications systems. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.



Parameter	Specification			Unit	Condition
	Min.	Typ.	Max.		
Overall					Typical values represent Mid-Band performance at 25 °C
Frequency Range	5		1000	MHz	
Nominal Coupling	16.5	17	17.5	dB	
Coupling Flatness	-0.65		+0.65	dB	
Mainline Loss		0.5	0.75	dB	5MHz to 500MHz
		0.75	1	dB	500MHz to 1000MHz
Directivity	15	20		dB	5MHz to 50MHz
	20	22		dB	50MHz to 500MHz
	10	14		dB	500MHz to 1000MHz
Input/Output Return Loss	18	24		dB	
Coupled Port Return Loss	12	20		dB	
Characteristic Impedance	75			Ω	

Absolute Maximum Ratings

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



MiniRF

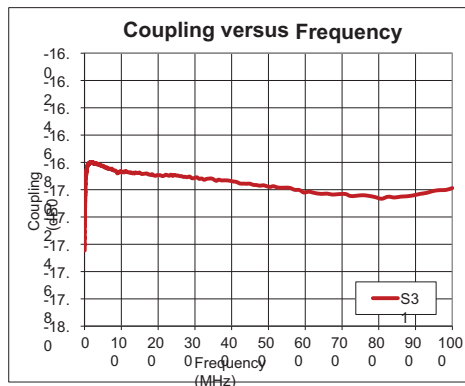
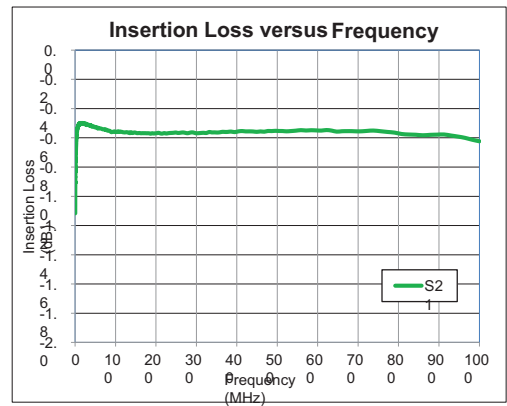
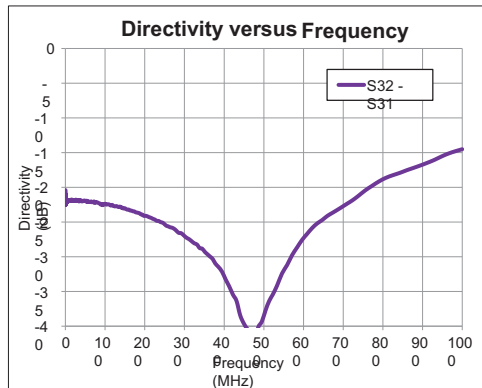
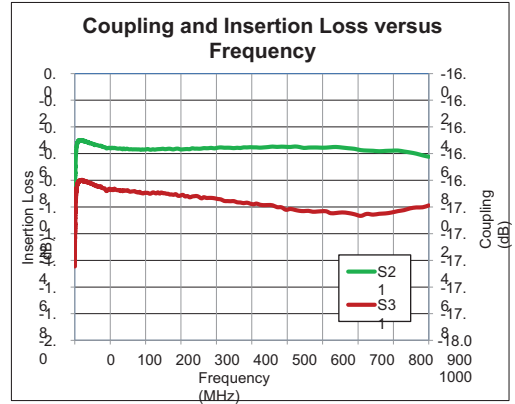
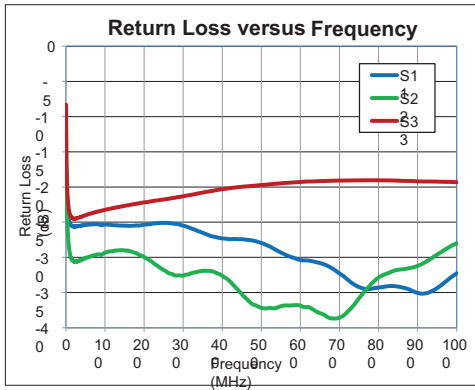
RFCP4792

17dB SURFACE MOUNT COUPLER



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Typical Data



MiniRF

MiniRF Incorporated

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Fremont CA 94538

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www.minirf.com

Pin Names and Description

Pin	Description
1	INPUT
2	GROUND
3	COUPLED
4	TERMINATED
5	NO CONNECT
6	OUTPUT



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.

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

Package Drawing - S18

Dimensions in inches (millimeters)

