

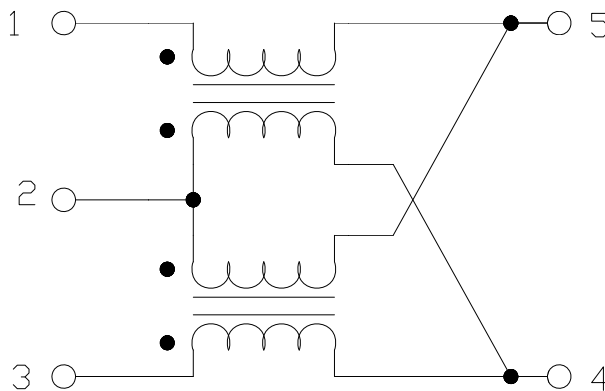
RoHS Compliant and Pb-Free Product
Package: S20

Features

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

Applications

- Broadband/CATV
- Wireless



Schematic

Product Description

The RFCP5773 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		1200	MHz	
Nominal Coupling	19.5	20.0	20.5	dB	
Coupling Flatness	-0.5		+0.5	dB	
Insertion Loss		0.5	0.8	dB	
Directivity	10	20		dB	
Return Loss	14	17		dB	
Characteristic Impedance	75			Ω	

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.

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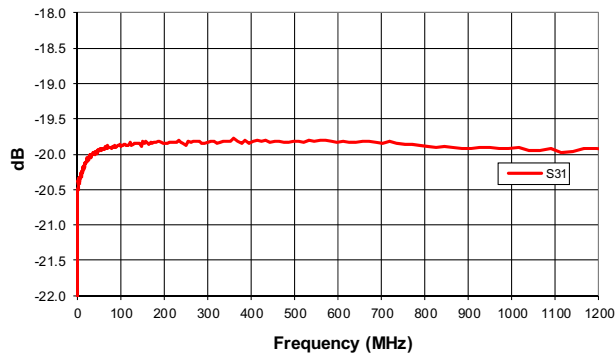
RoHS (Restriction of Hazardous Substances): Compliant per EU Directive 2002/95/EC.



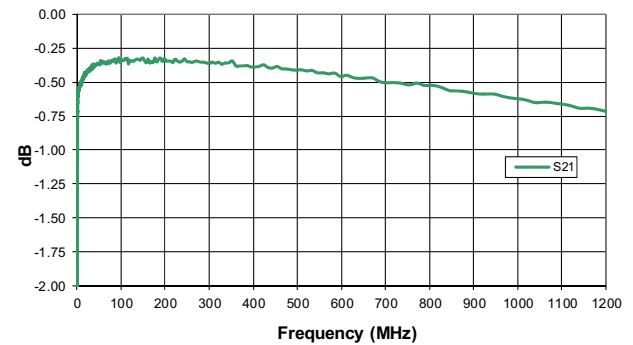
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Typical Data

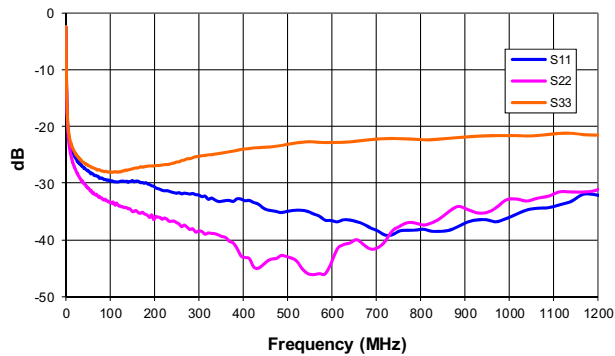
Coupling



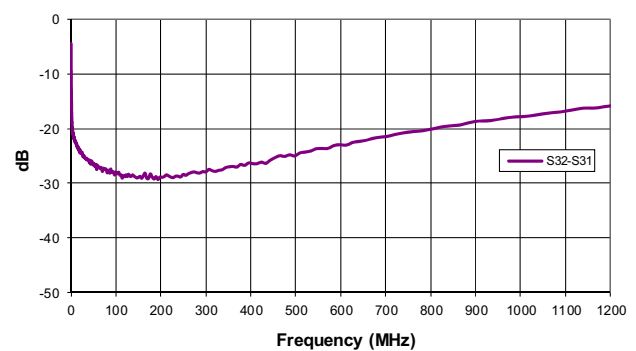
Insertion Loss



Return Loss



Directivity





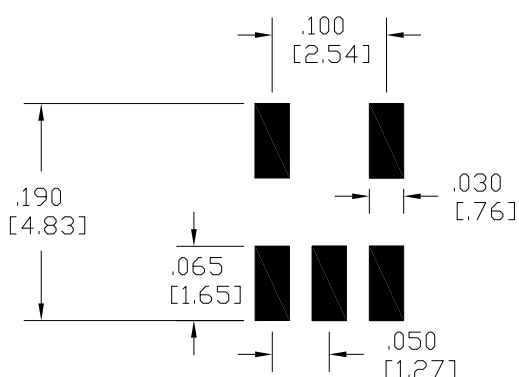
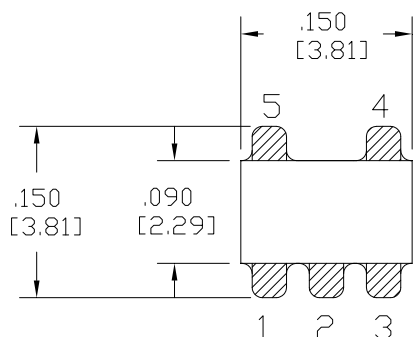
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Pin Names and Description

Pin	Name	Description
1	INPUT	Input
2	GROUND	Ground
3	COUPLED OUTPUT	Coupled Output
4	TERMINATED	Terminated
5	OUTPUT	Output

Package Drawing - S20

Dimensions in inches (millimeters)



PCB FOOTPRINT

