



## MRFCP5753

### 12 dB SURFACE MOUNT COUPLER



Package: S-20

#### Features

- Frequency Range 5 - 1200 MHz
- Low Cost and RoHS-compliant
- Industry Standard SMT package
- 75 Ohms Characteristic

#### Applications

- Broadband/CATV
- Wireless Specification

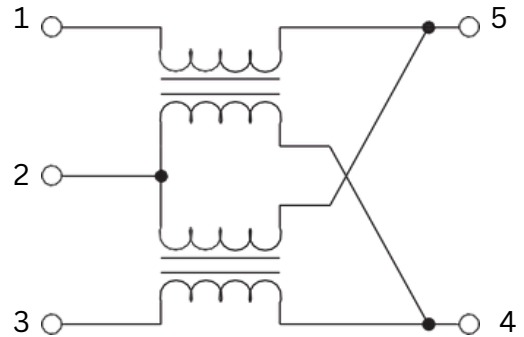
#### Specification

Parameter	Specification			Units
	Min	Typ.	Max.	
Operating Frequency Range	5		1200	MHz
Nominal Coupling	11.5	12	12.5	dB
Coupling Flatness:	-0.5		+0.5	dB
Insertion Loss:		1.5	2.0	dB
Directivity	8	14		dB
Return Loss	14	17		dB
Nominal Impedance	75 $\Omega$			

#### Product Description

The MRFCP5753 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.

#### Schematic



#### Absolute Maximum Ratings

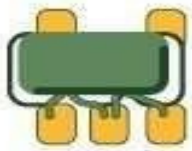
Power Handling	2 W
Operating Temp	-40° to +85°C
Storage Temp	-40° to +100°C

Exceeding any one or a combination of the Absolute Maximum Rating conditions may cause permanent damage to the device. Extended applications 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 not applied.

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

The information in this publication is believed to be accurate and reliable.

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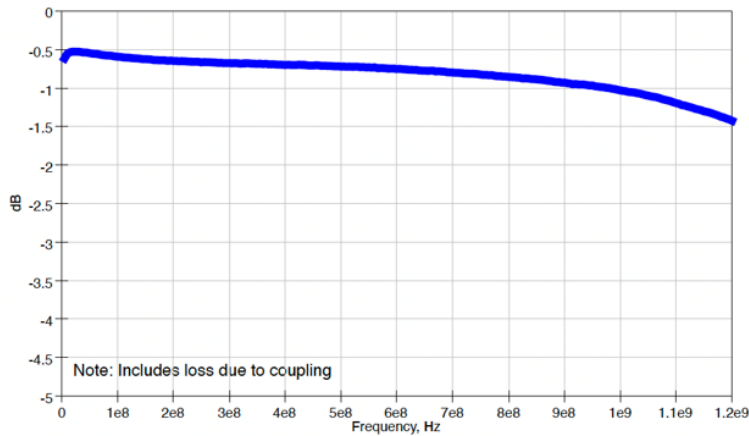
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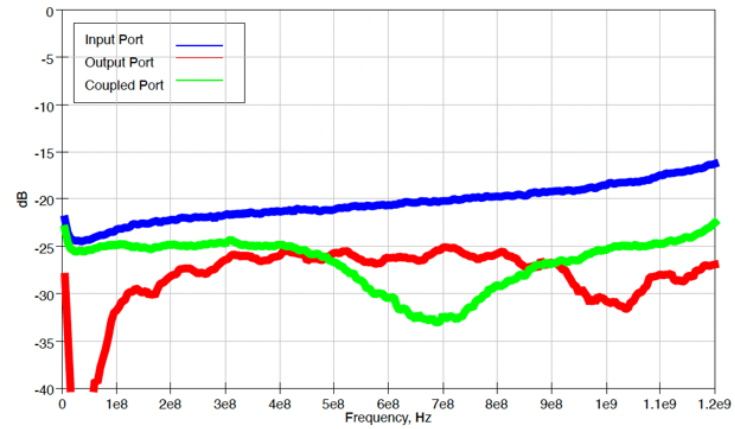
Typical Data

Package: S-20

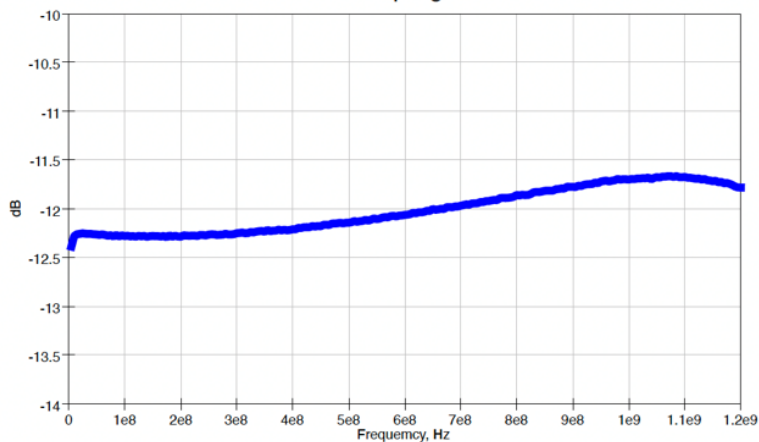
Insertion Loss



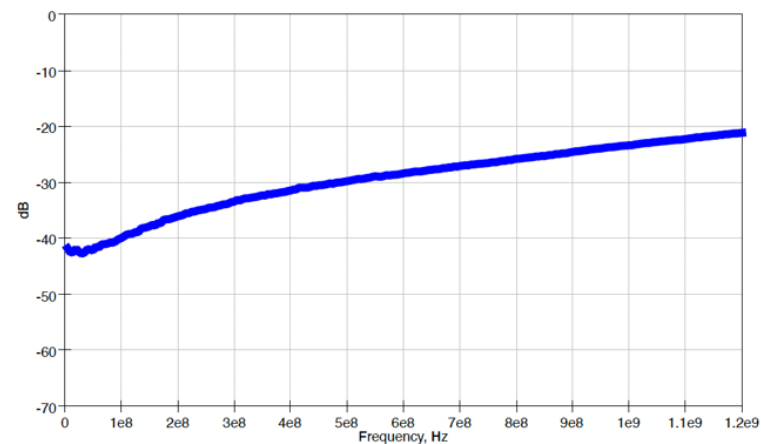
Return Loss

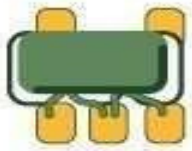


Coupling



Isolation



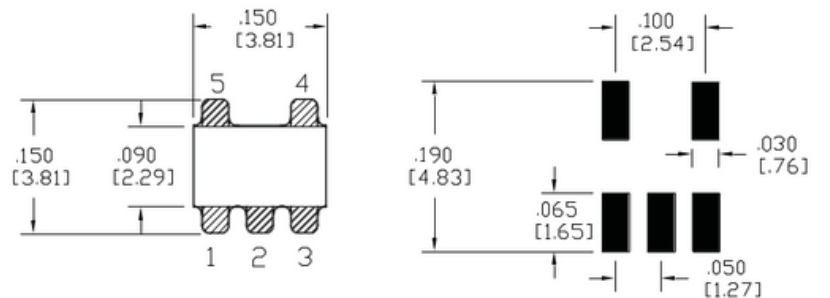


## Pin Out

Pin	Function
1	Input
2	Ground
3	Coupled
4	Terminated
5	Output

## S20 Package Drawing

Dimensions in Inches (millimeters)



## PCB FOOTPRINT

