

CPA-1001-720H

20 dB SMT COUPLER

RoHS Compliant and Pb-Free Product Package: S06

Features

- Frequency Range: 5MHz to 1000MHz
- Nominal Coupling 20 dB
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 75Ω Characteristic Impedance

7007.730H

Product Description

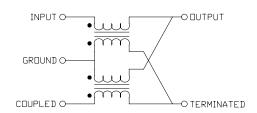
The CPA-1001-720H coupler is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wire-less and other communications systems. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

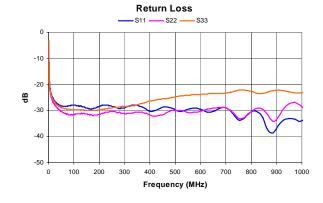
Specifications

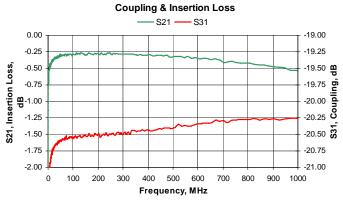
Parameter	Specification			Unit
	Min.	Тур.	Max.	Oille
Frequency Range	5		1000	MHz
Nominal Coupling	21	20.5	20	dB
Coupling Flatness	-0.7		+0.7	dB
Mainline Loss		0.4	0.75	dB
Directivity	12	20		dB
Return Loss	17	25		dB

Note: Typical values represent midband performance at T=25 ° C.

Schematic

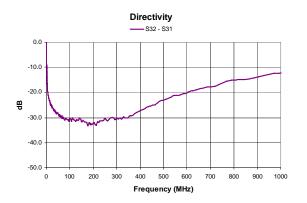






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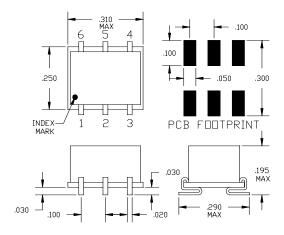




Pin Out

Pin	Name		
1	Input		
2	Ground		
3	Coupled		
4	Terminated		
5	Ground		
6	Output		

Package Drawing - S06



Absolute Maximum Ratings

Parameter	Rating	Unit
RF Power	+33	dBm
Operating Temperature	-55 to +100	°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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