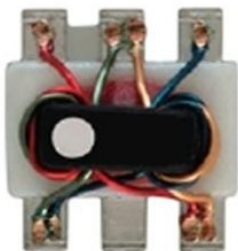


H2TCD-9-1W+



5-2000MHz

50Ω 9dB Directional Coupler

Features

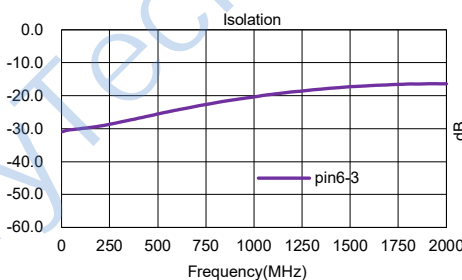
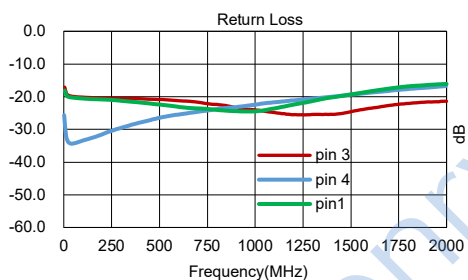
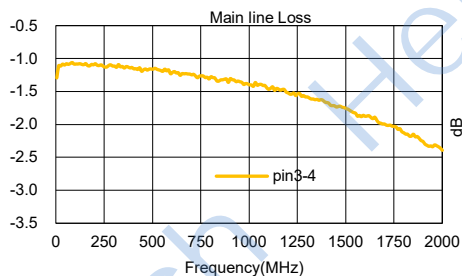
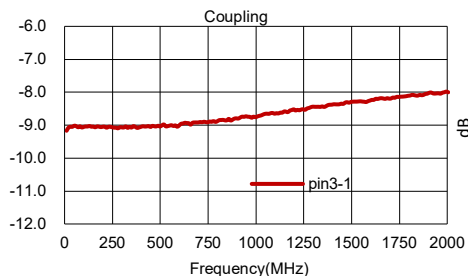
- Operating temperature range: -40°C to +125°C
- Storage temperature range: -55°C to +125°C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 1.0W
- DC Current: 250mA

Applications

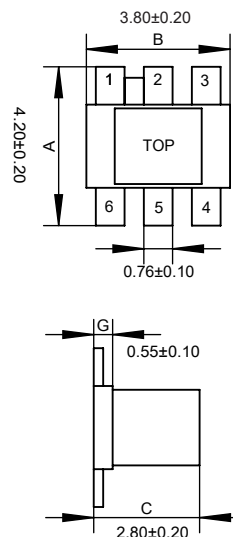
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

Electrical Specifications: TA=25°C, 0dBm, Z0=50Ω

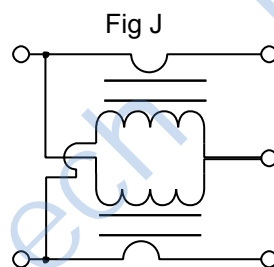
Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(pin3-1)	5-2000MHz	dB	8.0	9.0	9.5
Main line Loss(pin3-4)	5-2000MHz	dB	—	2.2	3.0
Input Return Loss(pin 3)	5-2000MHz	dB	10.0	16.0	—
Coupling Return Loss(pin1)	5-2000MHz	dB	10.0	16.0	—
Output Return Loss(pin4)	5-2000MHz	dB	16.0	20.0	—
Isolation(pin6-3)	5-2000MHz	dB	12.0	18.0	—



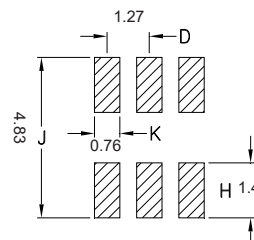
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	3
Coupling	1
Output	4
Ground	2
Isolation	6
NOT USED	5

H2TCD-9-1W+



5-2000MHz

75Ω 9dB Directional Coupler

Features

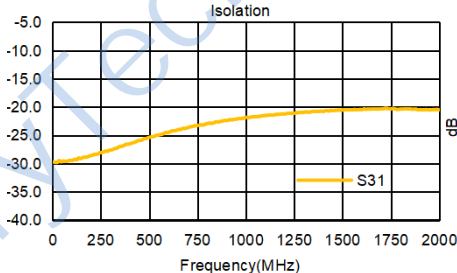
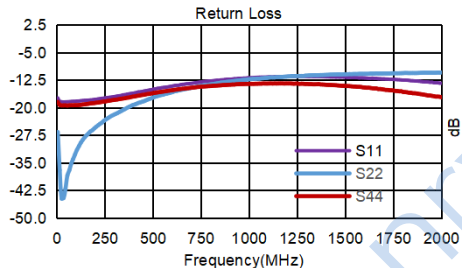
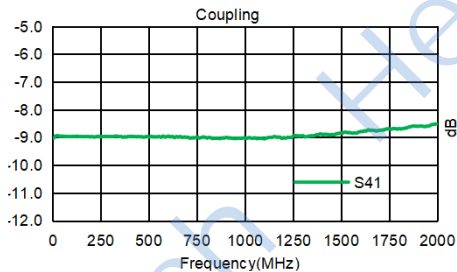
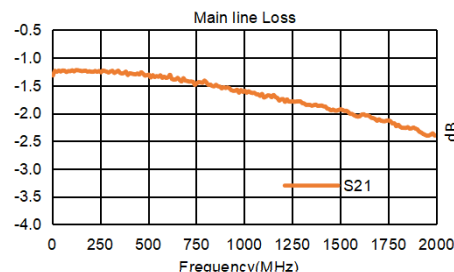
- Operating temperature range: -40 °C to +125 °C
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- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 1.0W
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Applications

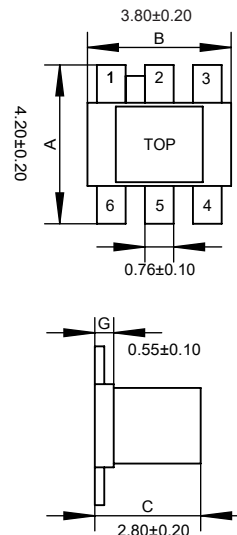
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

Electrical Specifications: TA=25 °C, 0dBm, Z0=75Ω

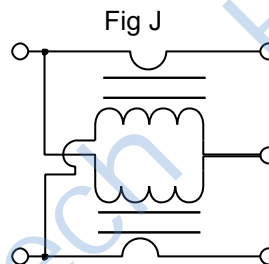
Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(pin3-1)	5-2000MHz	dB	8.0	9.0	10.0
Main line Loss(pin3-4)	5-2000MHz	dB	—	2.2	3.0
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Coupling Return Loss(pin1)	5-2000MHz	dB	10.0	16.0	—
Output Return Loss(pin4)	5-2000MHz	dB	10.0	16.0	—
Isolation(pin6-3)	5-2000MHz	dB	16.0	20.0	—



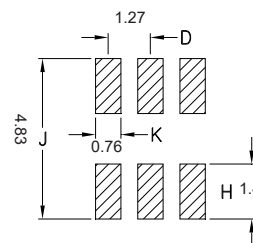
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	3
Coupling	1
Output	4
Ground	2
Isolation	6
NOT USED	5