

H2MACP-011074



5-3250MHz

75Ω 14dB Directional Coupler

Features

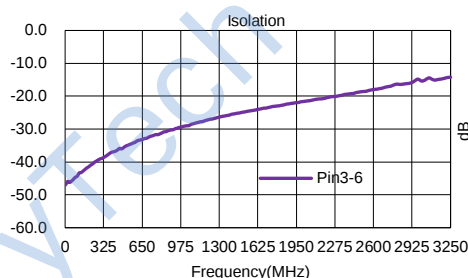
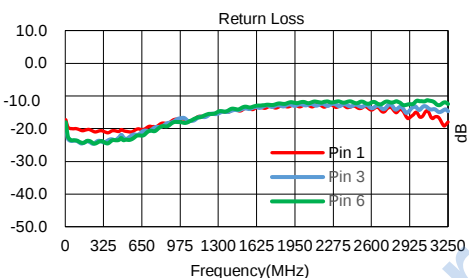
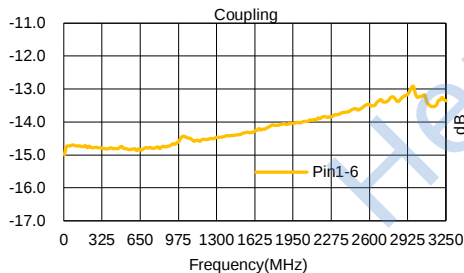
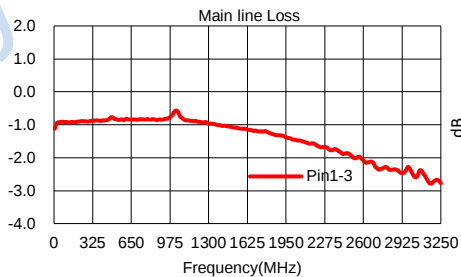
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free
- Input Power:500 mW Max
- DC Current:500 mA Max

Applications

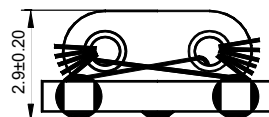
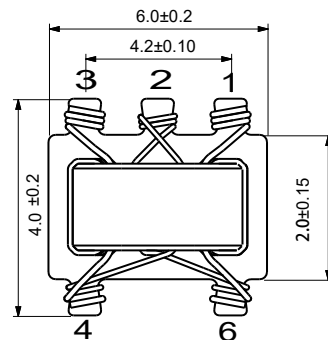
- For Dccsis 3.0 & 4.0Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

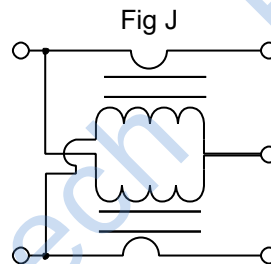
Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(Pin1-3)	5-3250MHz	dB	13.0	14.5	15.5
Main line Loss(Pin1-6)	5-3250MHz	dB	—	2.0	3.6
Input Return Loss(Pin1)	5-3250MHz	dB	10.0	17.0	—
Coupling Return Loss(Pin3)	5-3250MHz	dB	10.0	14.0	—
Output Return Loss(Pin6)	5-3250MHz	dB	10.0	15.0	—
Isolation(Pin3-6)	5-3250MHz	dB	16.0	22.0	—



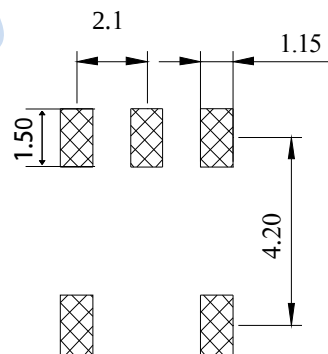
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	1
Coupling	3
Output	6
Ground	2
External 75 Ω	4

H2MACP-011074



5-3000MHz

75Ω 14dB Directional Coupler

Features

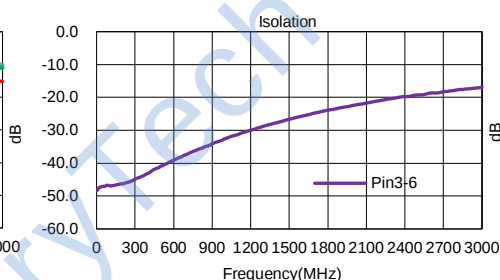
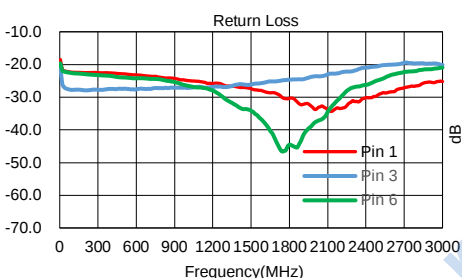
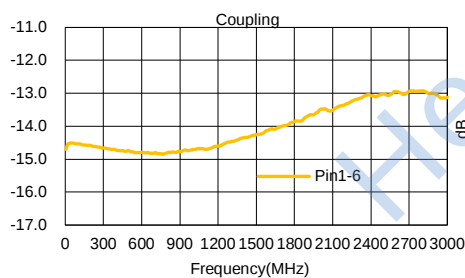
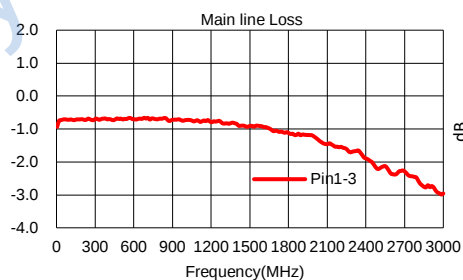
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- 260℃ Reflow Compatible
- RoHS compliant and lead free
- Input Power: 500 mW Max
- DC Current: 500 mA Max

Applications

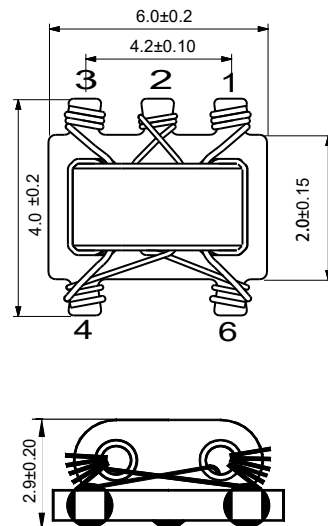
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

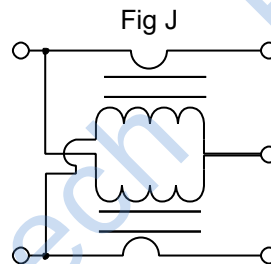
Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(Pin1-3)	5-3000MHz	dB	12.5	14.0	15.5
Main line Loss(Pin1-6)	5-3000MHz	dB	—	2.7	3.4
Input Return Loss(Pin1)	5-3000MHz	dB	14.0	18.0	—
Coupling Return Loss(Pin3)	5-3000MHz	dB	13.0	17.0	—
Output Return Loss(Pin6)	5-3000MHz	dB	13.0	16.0	—
Isolation(Pin3-6)	5-3000MHz	dB	16.0	20.0	—



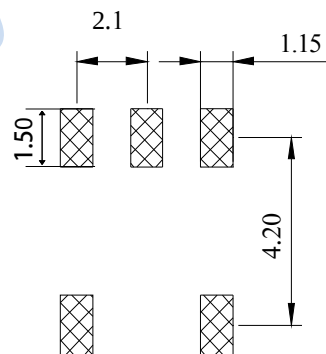
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	1
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Output	6
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