

RF Directional Coupler

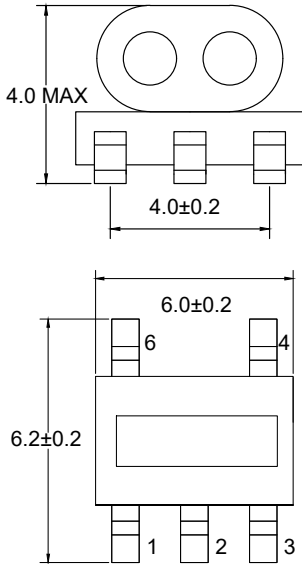
AWJ1201-D010942



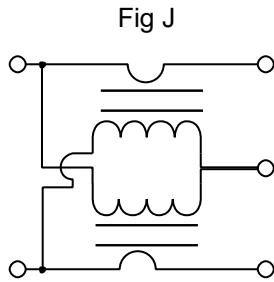
50Ω 12.5dB Directional Coupler

5-1000MHz

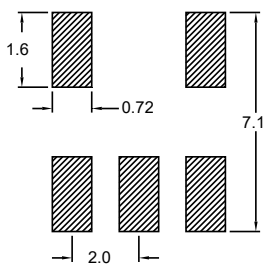
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	1
Coupling	3
Output	6
Ground	2
External 50 Ω	4

Features

- RF Power, 0.25W MAX
- DC Current, 30mA MAX
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

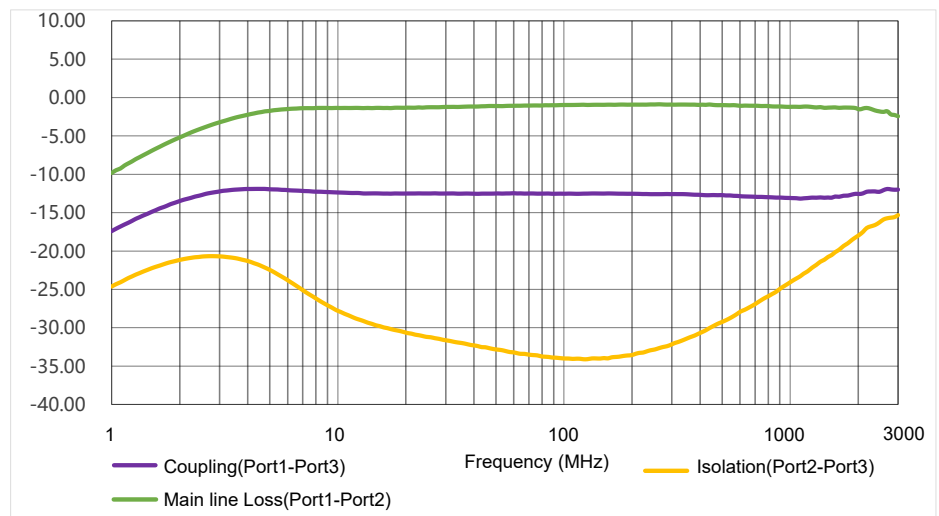


Applications

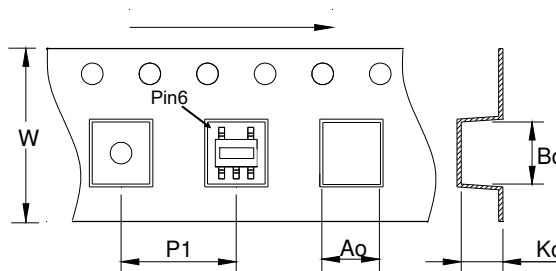
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(Pin1-Pin3)	5-1000MHz	dB	11.5	12.5	13.5
Main line Loss(Pin1-Pin6)	5-1000MHz	dB	—	1.8	2.5
Isolation(Pin3-6)	5-1000MHz	dB	20.0	25.0	—



Carrier Tape Orientation



Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	F000
Reel Size	mm	330
Tape Width	mm	16.00
Pitch	mm	4.00
Ao	mm	6.50
Bo	mm	7.00
Ko	mm	4.50

