

H2ADC-6-1R+



5-220MHz

50Ω 6dB Directional Coupler

Features

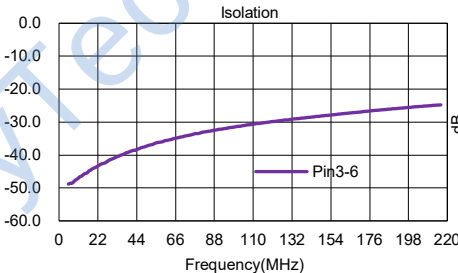
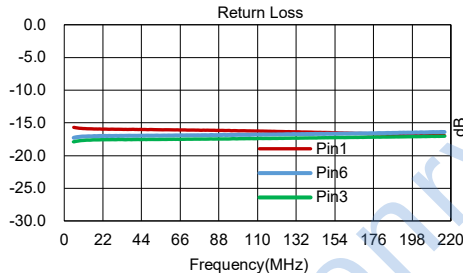
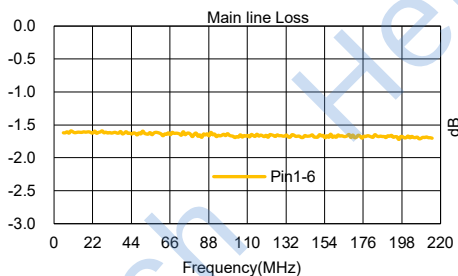
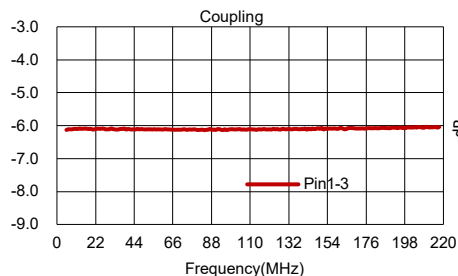
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 0.25W
- DC Current: 30 mA

Applications

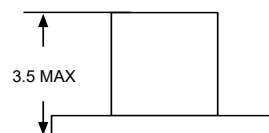
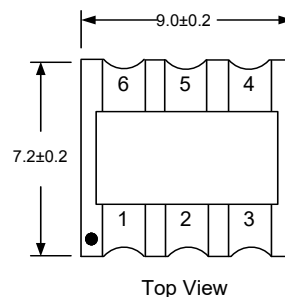
- For Docsis 3.0&4.0 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

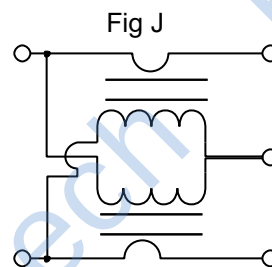
Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(Pin1-3)	5-220MHz	dB	5.8	6.1	6.5
Main line Loss(Pin1-6)	5-220MHz	dB	—	1.7	2.1
Input Return Loss(Pin1)	5-220MHz	dB	15.0	16.0	—
Coupling Return Loss(Pin3)	5-220MHz	dB	15.0	17.0	—
Output Return Loss(Pin6)	5-220MHz	dB	15.0	17.0	—
Isolation(Pin3-6)	5-220MHz	dB	20.0	30.0	—



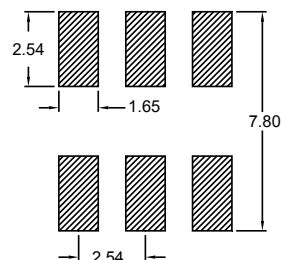
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	1
Coupling	3
Output	6
Ground	2, 5
ISOLATE (DO NOT USE)	4