

Features:

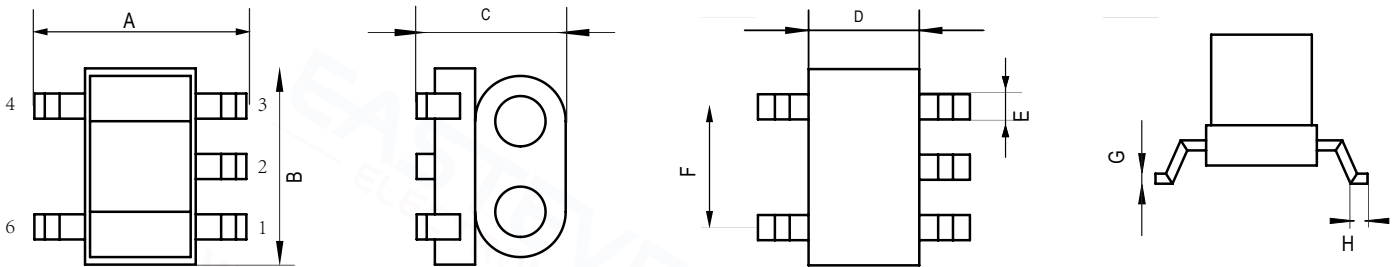
- ◆ Transmission loss: 1.00dBMax, Nominal Coupling: 16.0dB Typ
- ◆ RF power: 1.5W Max,DC current: 500mA Max
- ◆ 260°C reflow compatible
- ◆ RoHS Compliant and Pb free
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



Applications:

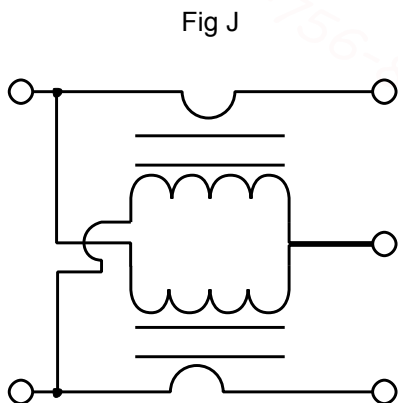
- ◆ For Docsis 3.0 & 3.1 Cable Modem.
- ◆ For Wideband Push-pull Amplifiers.
- ◆ For CATV Amplifiers Module & Set top box.
- ◆ For CATV Optical Receivers and Amplifiers.
- ◆ For VHF/UHF Transmitters and Push-pull Amplifiers.

Dimension diagram (Unit:mm) :

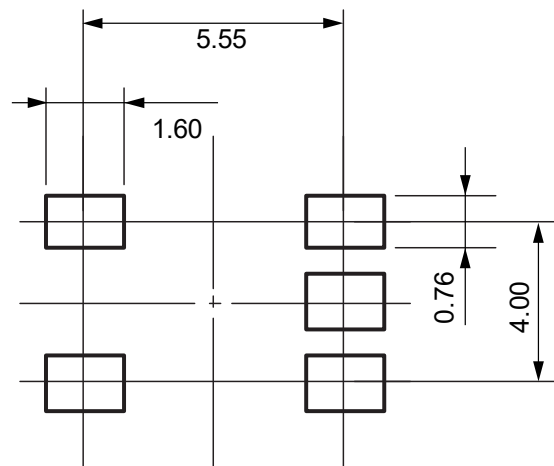


A=6.20±0.20 B=6.00±0.20 C=4.30±0.20 D=4.00±0.20 E=0.60±0.10 F=4.00±0.10 G=0.25±0.10 H=0.50±0.10

Electrical structure:



Recommended layout(mm):



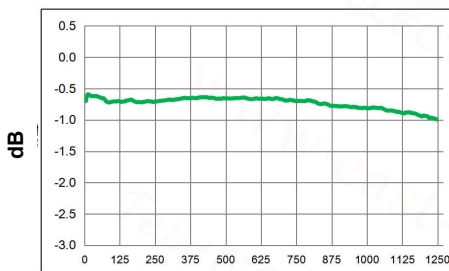
Pin configuration:

Pin No.	Function
1	Input
2	Ground
3	Coupled
4	Isolated
6	Output

Electrical Specifications:

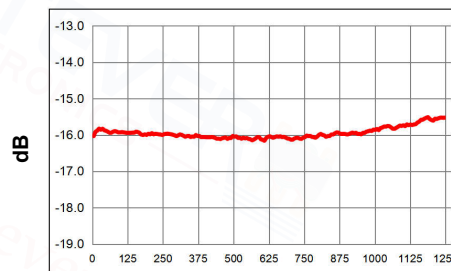
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss	5-1250MHz	dB	0.3	0.6	1.5
Coupling	5-1250MHz	dB	15.2	16.0	16.8
Input Return Loss	5-1250MHz	dB	16.0	24.0	-
Output Return Loss	5-1250MHz	dB	16.0	26.0	-
Coupling Return Loss	5-1250MHz	dB	16.0	24.0	-
Isolation	5-1250MHz	dB	20.0	45.0	-

Main line Loss(pin1-6):



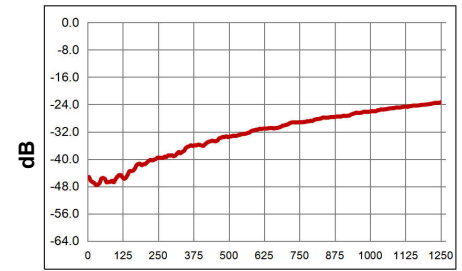
Frequency(MHz)

Coupling(pin1-3):



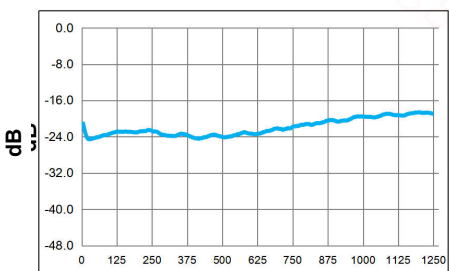
Frequency(MHz)

Isolation (Pin1-4)



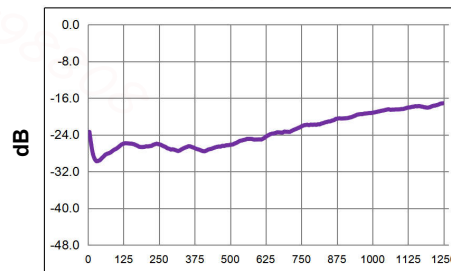
Frequency(MHz)

Input Return Loss (Pin1)



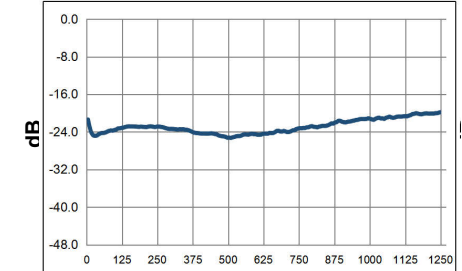
Frequency(MHz)

Output Return Loss (Pin6)



Frequency(MHz)

Coupling Return Loss (Pin3)



Frequency(MHz)