

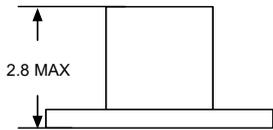
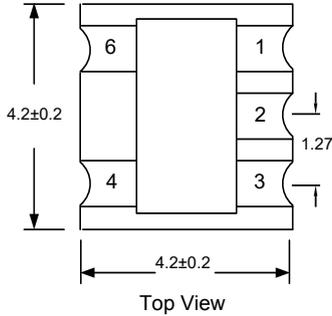
RF Balun Transformer

AWG4545-D177081

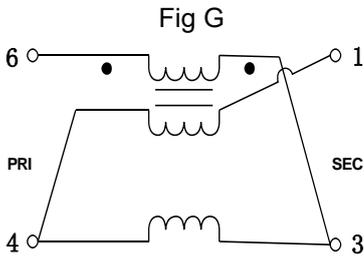


75Ω 1:1.33 Transmission Line Transformer 5-1200MHz

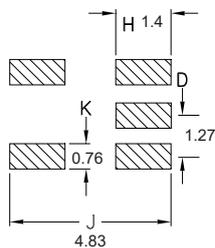
Outline Drawing(mm)



Electrical Structure



Recommended Layout(mm)



Pin Connections

Input	6
Output 1	1
Output 2	3
Ground	4
Not used	2

Features

- Operating temperature range: -40°C to +105°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 0.25W
- DC Current: 30mA



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
Main line Loss (Pin6-1)	5-500MHz	dB	—	0.5	1.1
	500-1000MHz	dB	—	0.7	1.2
	1000-1200MHz	dB	—	0.9	1.3
Main line Loss (Pin6-3)	5-500MHz	dB	—	0.8	1.0
	500-1000MHz	dB	—	1.0	1.3
	1000-1200MHz	dB	—	1.3	1.6
Amplitude Balance	5-500MHz	dB	—	0.1	0.3
	500-1200MHz	dB	—	0.5	0.9
Phase Balance	5-500MHz	°	—	2.0	6.0
	500-1200MHz	°	—	3.5	8.0
Input Return Loss(Pin6)	5-500MHz	dB	20.0	22.0	—
	500-1000MHz	dB	17.0	20.0	—
	1000-1200MHz	dB	15.0	17.0	—

