

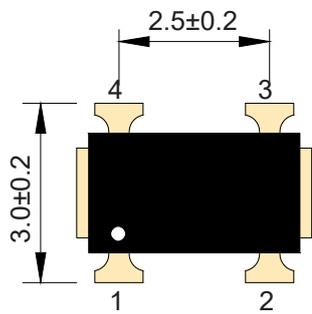
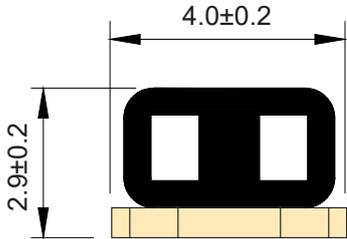
RF Balun Transformer

AWL0202-G079259

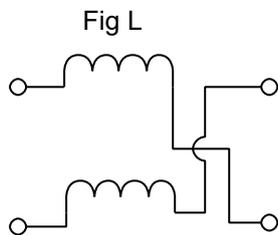


75Ω 1:1 Transmission Line Transformer 5-1800 MHz

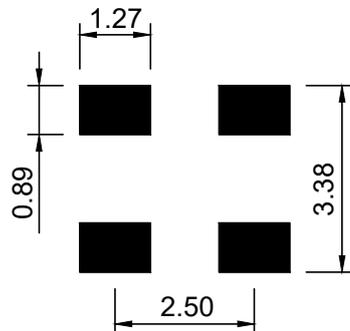
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)

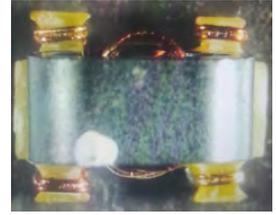


Pin Connections

Input	1
Output 1	4
Output 2	3
Ground	2

Features

- RF Power: 2W 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

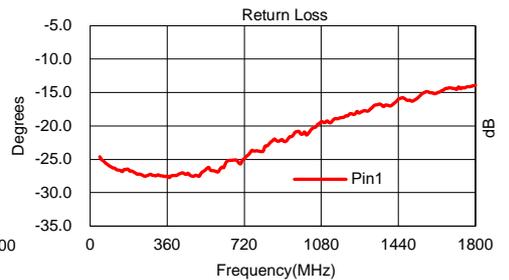
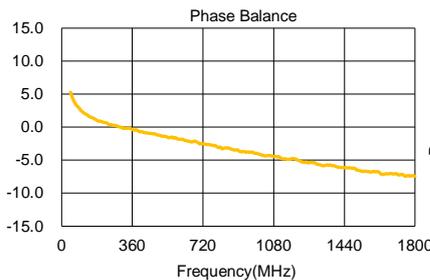
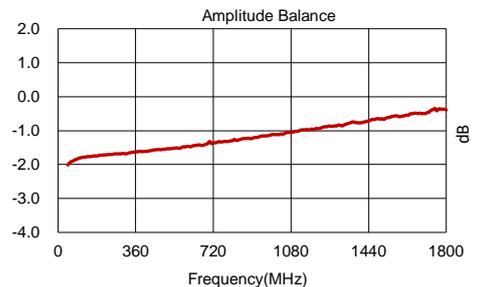
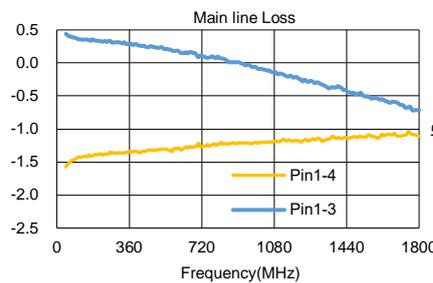


Applications

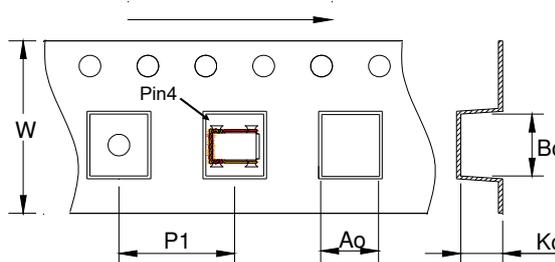
- For Docsis 3.0 & 3.1 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin1-4)	45-1800MHz	dB	—	1.2	1.5
Main line Loss (Pin1-3)	45-1800MHz	dB	—	0.7	1.2
Amplitude Balance	45-1800MHz	dB	—	1.5	2.0
Phase Balance	45-1800MHz	°	—	8.0	15.0
Input Return Loss(Pin1)	45-1800MHz	dB	12.0	16.0	—



Carrier Tape Orientation



Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	2000
Reel Size	mm	330
Tape Width	mm	12.00
Pitch	mm	8.00
Ao	mm	4.30
Bo	mm	3.30
Ko	mm	3.20

