

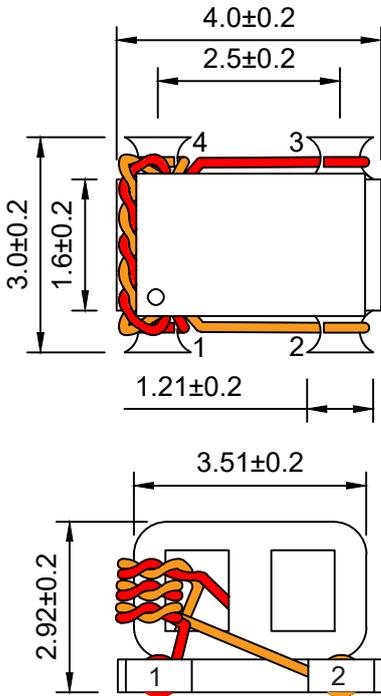
RF Balun Transformer

AWL0009-A079087



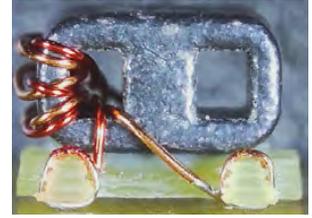
75Ω 1:1 Transmission Line Transformer 5-1250 MHz

Outline Drawing(mm)



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



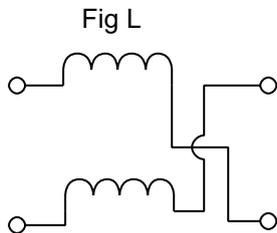
Applications

- For Doccis 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.

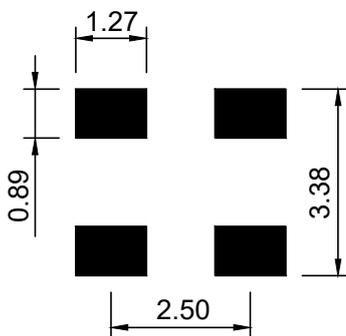
Electrical Specifications:TA=25°C, 0dBm, Z0=75Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin1-4)	5-1250MHz	dB	—	1.0	1.2
Main line Loss (Pin1-3)	5-1250MHz	dB	—	0.8	1.0
Amplitude Balance	5-1250MHz	dB	—	1.0	1.5
Phase Balance	5-1250MHz	°	—	5.0	10.0
Input Return Loss(Pin1)	5-1250MHz	dB	18.0	25.0	—

Electrical structure

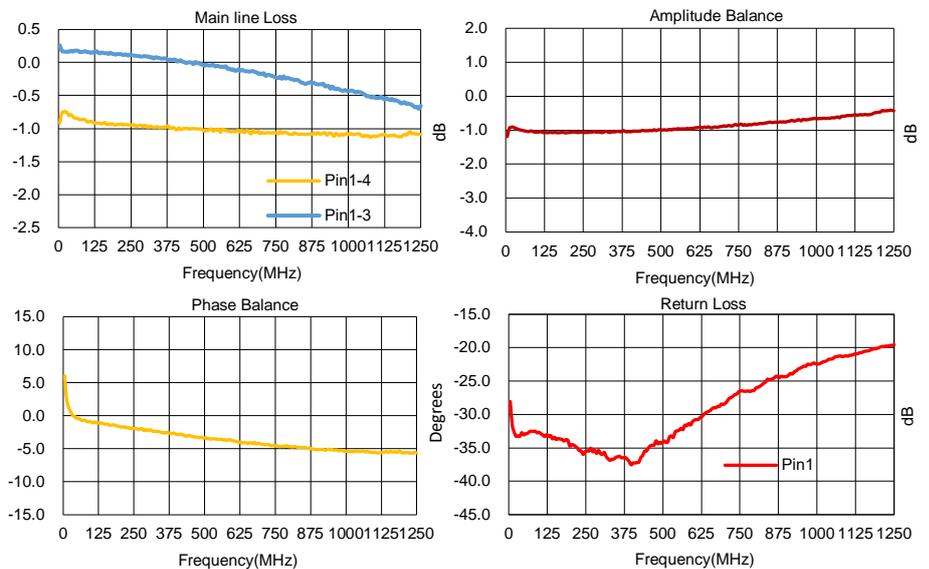


Recommended layout(mm)

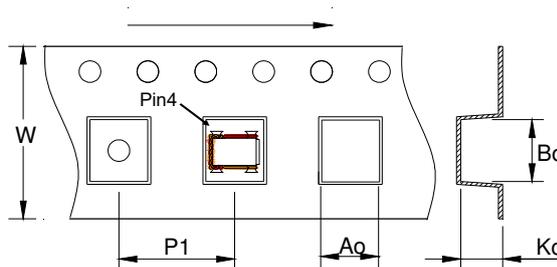


Pin Connections

Input	1
Output 1	4
Output 2	3
Ground	2



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

