

RF Balun Transformer

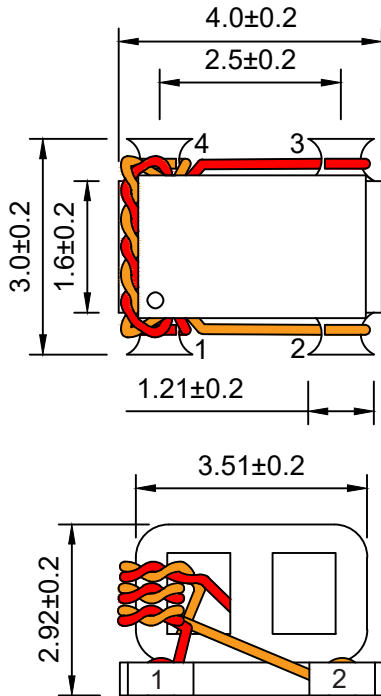
EBG0006-A079820

2022-11-26 Rev. 0



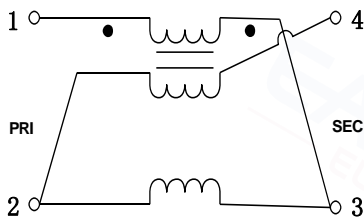
75Ω 1:1 Transmission Line Transformer 45-1250 MHz

Outline Drawing(mm)

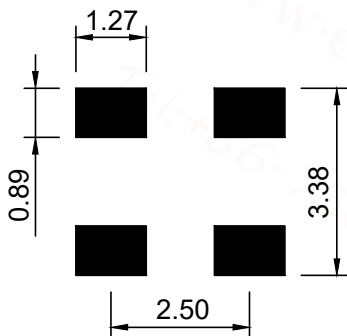


Electrical structure

Fig G



Recommended layout(mm)



Pin Connections

Input	1
Output 1	4
Output 2	3
Ground	2

Features

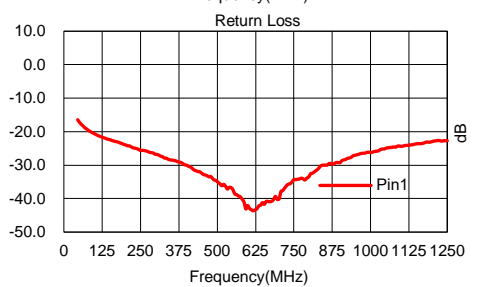
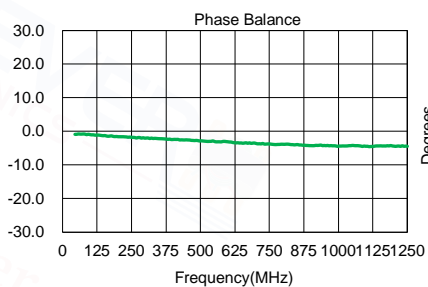
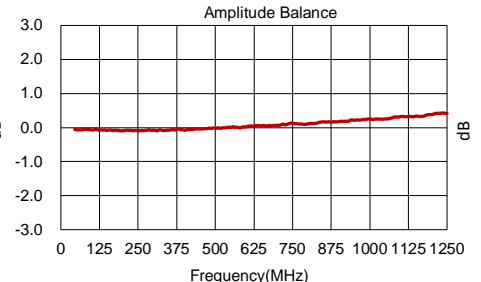
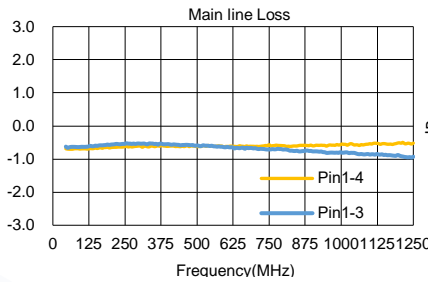
- RF Power: 2W Max
- Operating temperature range:-40℃ to+100℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free

Applications

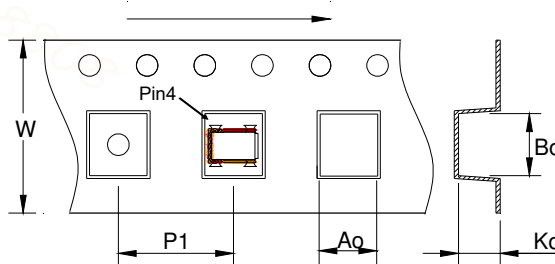
- For Doccis 3.0 & 3.1 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin1-4)	45-1250MHz	dB	—	0.6	1.0
Main line Loss (Pin1-3)	45-1250MHz	dB	—	0.8	1.2
Amplitude Balance	45-1250MHz	dB	—	0.4	0.6
Phase Balance	45-1250MHz	°	—	4.0	5.0
Input Return Loss(Pin1)	45-1250MHz	dB	16.0	20.0	—



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