

RF Balun Transformer

B001-458PT-1002-H314

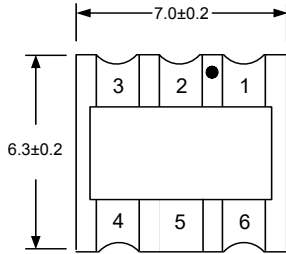
Rev. 1



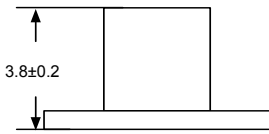
75Ω 4:1 Step Down Transformer

5-200MHz

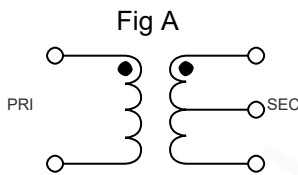
Outline Drawing(mm)



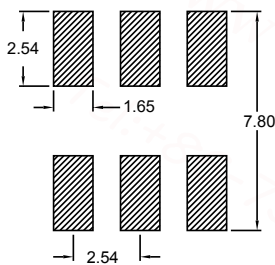
Top View



Electrical structure



Recommended layout(mm)



Pin Connections

Input	4
Output 1	3
Output 2	1
Ground	2,6

Features

- Operating temperature range: -40°C to +125°C
- Storage temperature range: -55°C to +100°C
- RoHS compliant and lead free
- 260°C Reflow Compatible
- Input Power: 250mW
- DC Current: 30mA

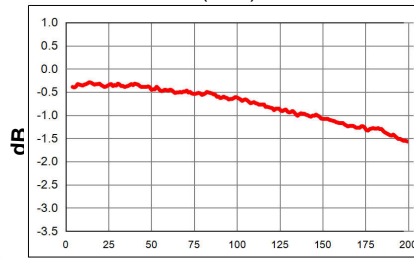
Applications

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.

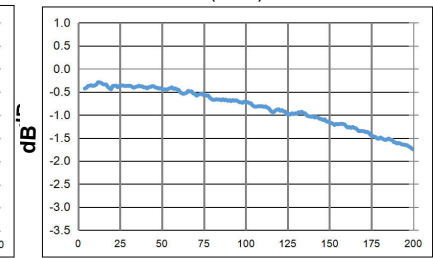
Electrical Specifications:TA=25°C, 0dBm, Z0=75Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-200MHz	dB	—	1.5	2.5
Main line Loss(out2)	5-200MHz	dB	—	1.5	2.5
Amplitude Balance	5-200MHz	dB	—	0.1	1.2
Phase Balance	5-200MHz	°	—	2.0	±6.0
Input Return Loss	5-200MHz	dB	5.0	8.0	—

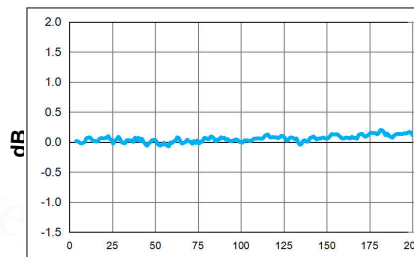
Main line Loss(out1)



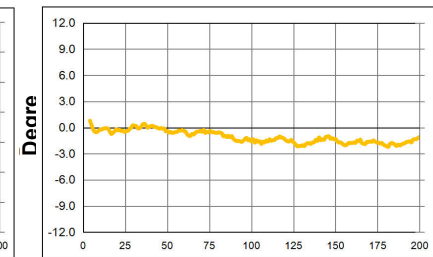
Main line Loss(out2)



Amplitude Balance



Phase Balance



Input Return Loss

