

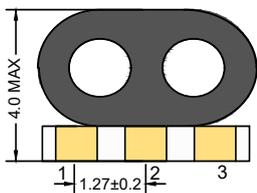
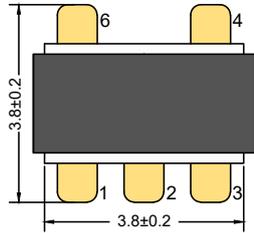
RF Balun Transformer

AWG0835-B013243

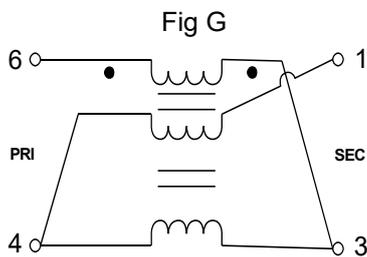


75Ω 1:1 Transmission Line Transformer 5-1800MHz

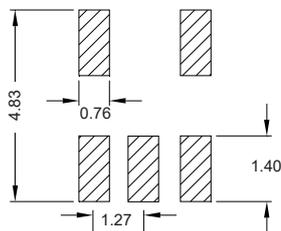
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Features

- RF Power, 0.25W Max
- DC current: 30mA Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

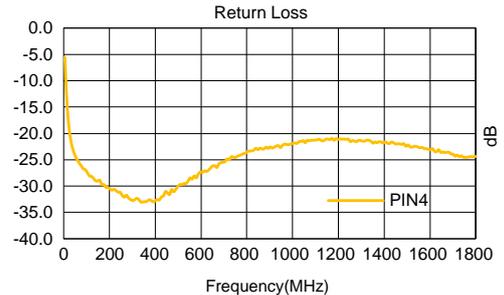
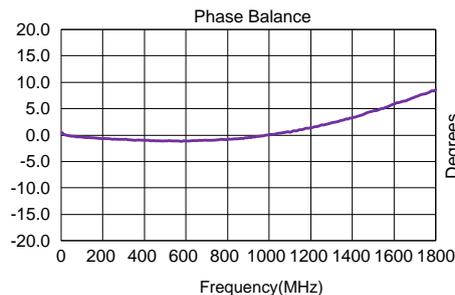
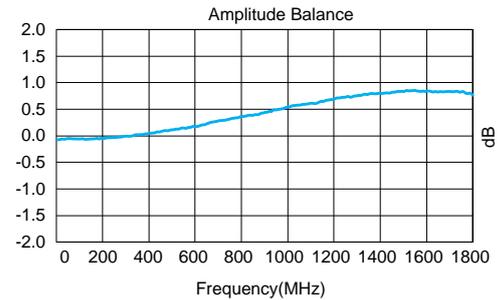
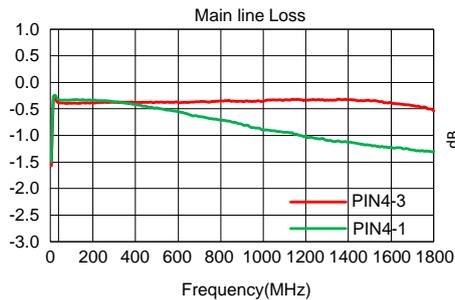


Applications

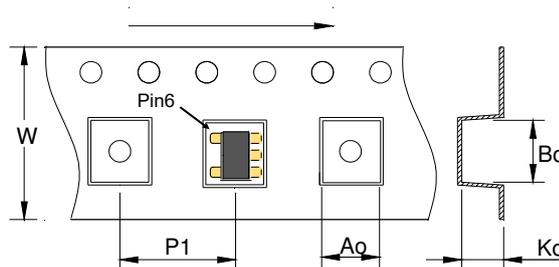
- For Docsis 3.0&4.0 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	5-1800MHz	dB	—	0.5	1.1
Main line Loss (Pin4-1)	5-1800MHz	dB	—	1.0	1.5
Amplitude Balance	5-1800MHz	dB	—	0.7	1.0
Phase Balance	5-1800MHz	°	—	7.0	10.0
Input Return Loss(Pin4)	5-1800MHz	dB	18.0	23.0	—



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	4.50
Bo	mm	5.70
Ko	mm	3.60

