

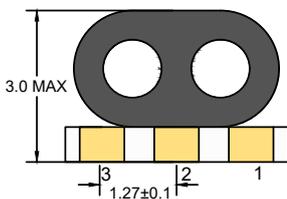
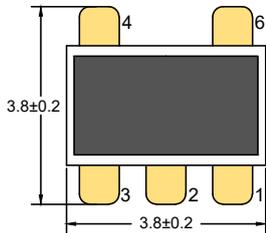
# RF Balun Transformer

## AWG1160-D013186

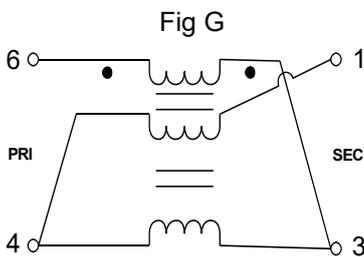


75Ω 1:1 Transmission Line Transformer 5-1200MHz

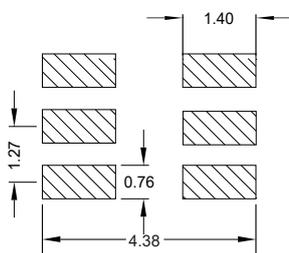
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Pin Connections

Input	6
Output 1	1
Output 2	3
Ground	4
Not Used	2, 5

### 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 +125 C
- Storage temperature range: -55 C to +100 C



### Applications

- For Docsis 3.0&4.0Cable 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 (Pin6-1)	5-40MHz	dB	—	0.2	0.5
	40-600MHz	dB	—	0.3	1.0
	600-1000MHz	dB	—	0.5	2.0
	1000-1200MHz	dB	—	1.5	3.0
Amplitude Balance	5-1200MHz	dB	—	0.5	1.0
Phase Balance	5-1000MHz	°	—	0.8	10.0
	1000-1200MHz	°	—	3.0	20.0
Input Return Loss(Pin6)	5-40MHz	dB	17.0	25.0	2.5
	40-200MHz	dB	22.0	30.0	1.5
	200-400MHz	dB	15.0	22.0	—
	400-600MHz	dB	10.0	18.0	—
	600-1200MHz	dB	6.0	13.0	—

