

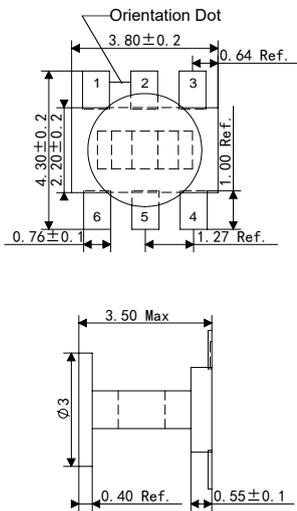
RF Balun Transformer

AWG1-63-C012667



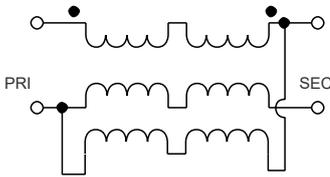
50Ω 1:1 Transmission Line Transformer 10-6000 MHz

Outline Drawing(mm)

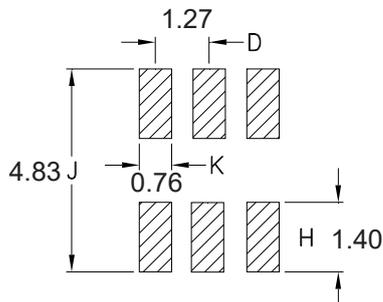


Electrical structure

Fig G



Recommended layout(mm)

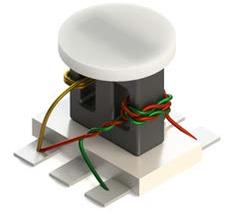


Pin Connections

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

Features

- Operating temperature range: -40 °C to +85 °C
- Storage temperature range: -55 °C to +100 °C
- RoHS Compliant and Lead free
- 260°C Reflow Compatible
- Input Power: 0.25W Max
- DC Current: 30 mA

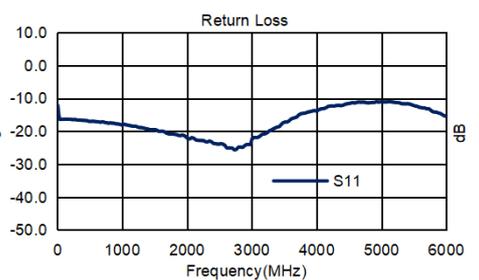
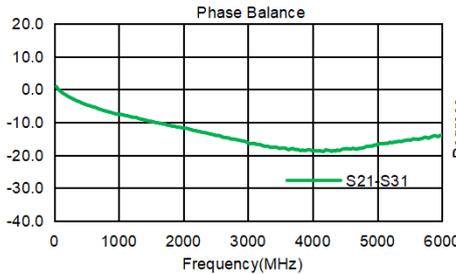
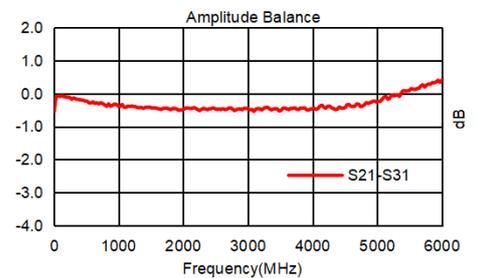
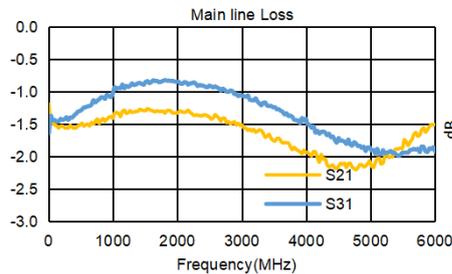


Applications

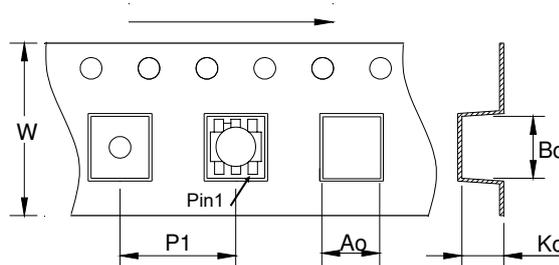
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

Electrical Specifications:TA=25°C, 0dBm, Z0=50Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin3-4)	10-6000MHz	dB	—	1.0	2.5
Main line Loss (Pin3-6)	10-6000MHz	dB	—	1.0	2.5
Amplitude Balance	10-6000MHz	dB	0.0	1.5	2.5
Phase Balance	10-6000MHz	°	0.0	15.0	30.0
Input Return Loss(Pin4)	10-6000MHz	dB	10.0	16.0	—



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	4.50
Ko	mm	3.20

