

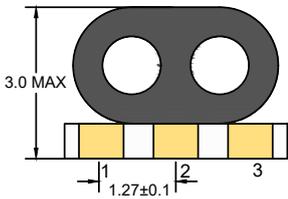
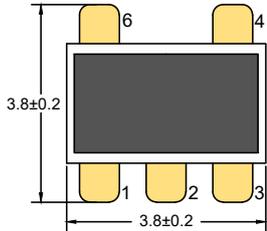
RF Balun Transformer

AW13-617DB-7159-E267

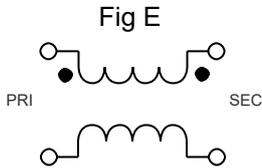


1:1 Transmission Line Transformer 50Ω 4.5-3000 MHz

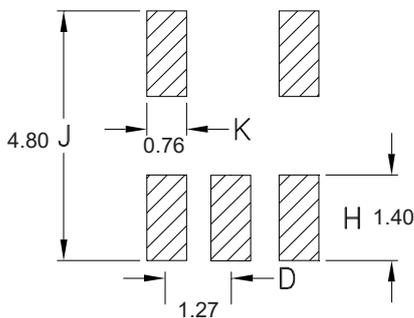
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)

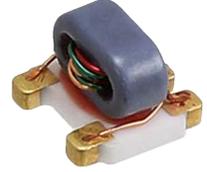


Pin Connections

Input	4
Output 1	3
Output 2	1
Ground	6

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 +125 C

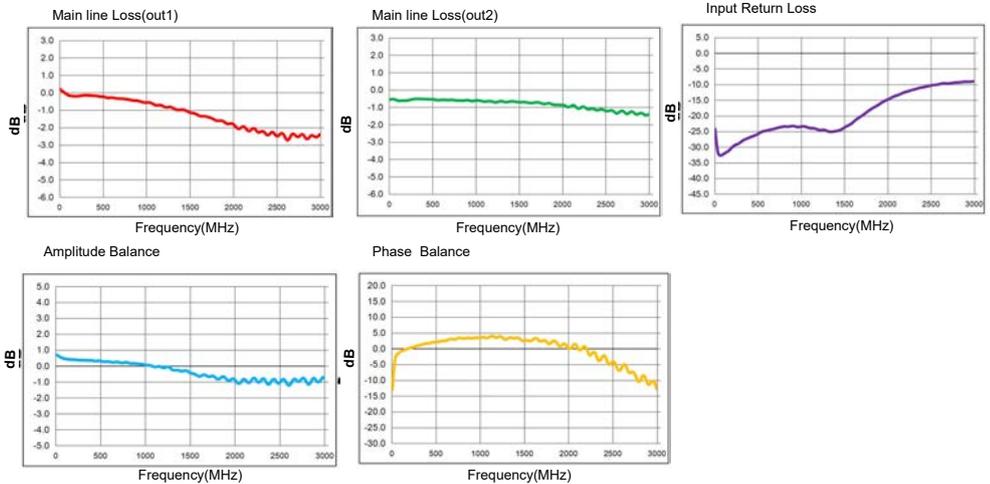


Applications

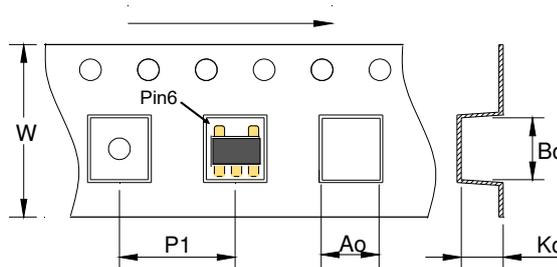
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss	4.5-1000MHz	dB	—	0.40	1.00
Main line Loss	1000-2000MHz	dB	—	0.80	2.50
Main line Loss	2000-3000MHz	dB	—	2.50	3.50
Amplitude Unbalance	4.5-1500MHz	dB	—	0.50	1.00
Amplitude Unbalance	1500-3000MHz	dB	—	1.00	1.70
Phase Unbalance	4.5-1500MHz	Degrees	—	5.00	15.00
Phase Unbalance	1500-3000MHz	Degrees	—	5.00	35.00
Input Return Loss	4.5-1500MHz	dB	10.00	25.00	—
Input Return Loss	1500-3000MHz	dB	5.00	15.00	—



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

