

RF Balun Transformer

EBD1517-G035082

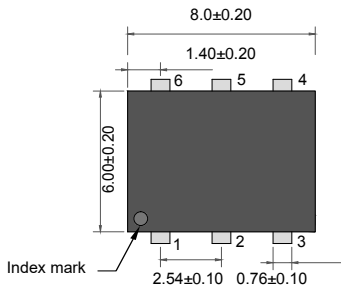
2024-06-29 Rev. 0



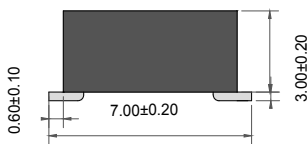
50Ω 1:1.5 Auto Transformer

0.5-1700 MHz

Outline Drawing(mm)

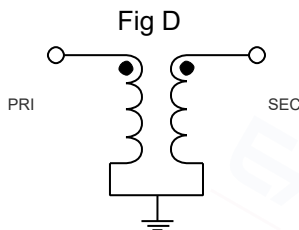


Top View

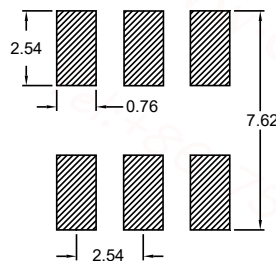


Side View

Electrical structure



Recommended layout(mm)



Pin Connections

Input Dot	1
Secondary Dot	3
Primary & Secondary	6
No Connection (Ground)	2,4,5

Features

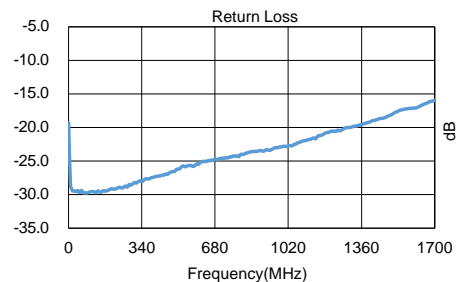
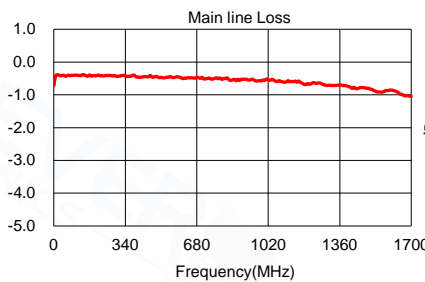
- RF Power, 250mW Max
- DC current: 200mA Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

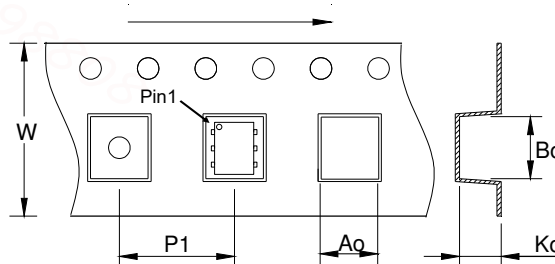
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Impedance Ratio	—	—	—	1:1.5	—
Input Return Loss(Pin3)	0.5-1700 MHz 2-1100 MHz	dB	14.0 18.0	15.0 20.0	—
Main line Loss (pin 1 - 3)	0.5-1700 MHz 1-1500 MHz 2-1100 MHz	dB	—	1.5 1.0 0.5	2.0 1.5 1.0



Carrier Tape Orientation



Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	1500
Reel Size	mm	330
Tape Width	mm	16.00
Pitch	mm	12.00
Ao	mm	7.20
Bo	mm	8.10
Ko	mm	3.80