

RF Balun Transformer

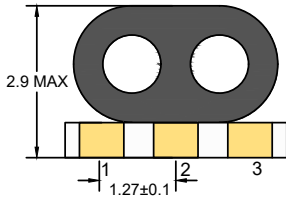
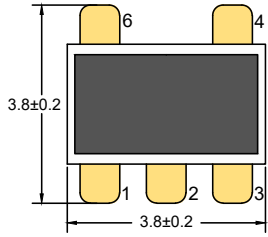
EBE1-43-E013647

2021-01-08 Rev. 0



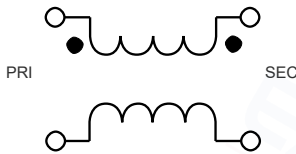
50Ω 1:1 Transmission Line Transformer 650-4000 MHz

Outline Drawing(mm)

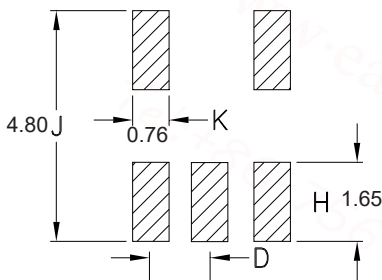


Electrical structure

Fig E



Recommended layout(mm)



Pin Connections

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

Features

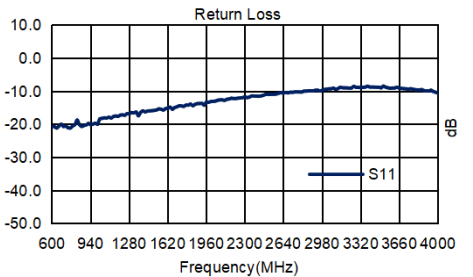
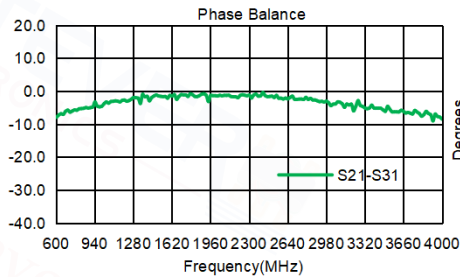
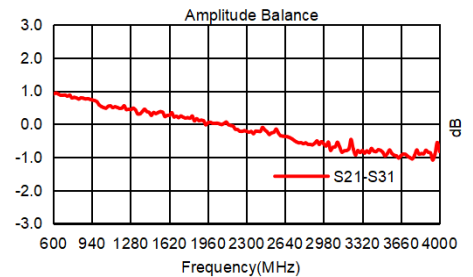
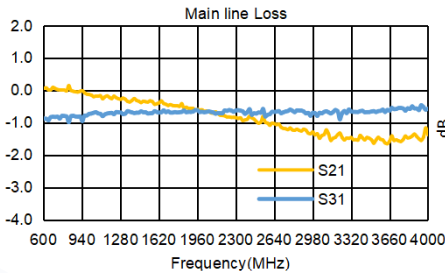
- DC Current: 30mA Max
- Input Power: 250mW Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

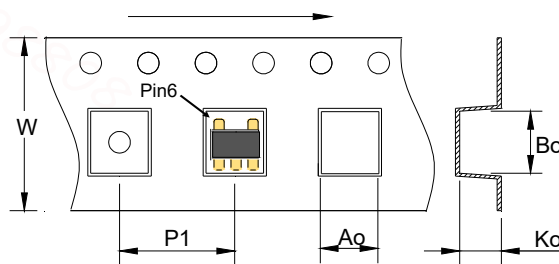
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	650-4000MHz	dB	—	1.2	2.0
Main line Loss (Pin4-1)	650-4000MHz	dB	—	0.8	1.5
Amplitude Balance	650-4000MHz	dB	0.0	1.0	2.0
Phase Balance	650-4000MHz	°	0.0	5.0	15.0
Input Return Loss(Pin4)	650-4000MHz	dB	8.0	12.0	—



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