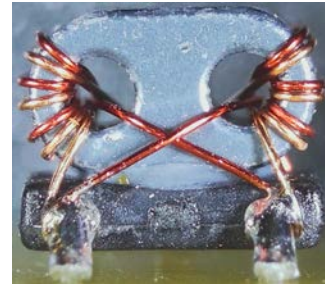


RF Balun Transformer

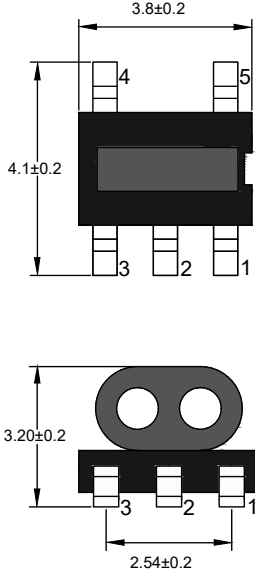
EBH7569-D004186

2024-12-05 Rev.0



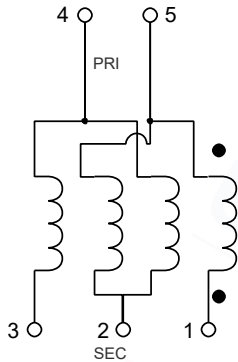
50Ω 1: 4 Transmission Line Transformer 2-1000 MHz

Outline Drawing(mm)

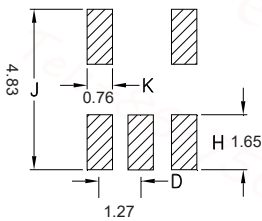


Electrical structure

Fig H



Recommended layout(mm)



Pin Connections

Input	5
Output 1	1
Output 2	3
Ground	2,4

Features

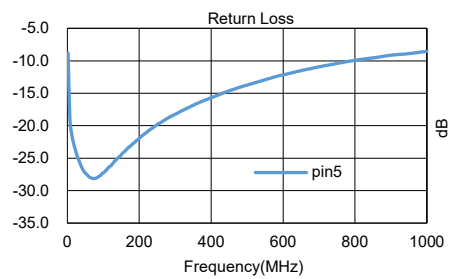
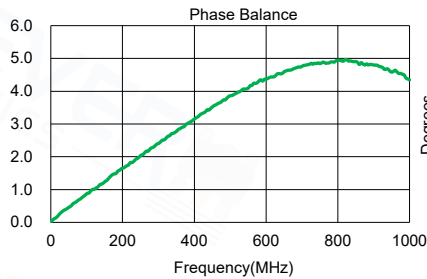
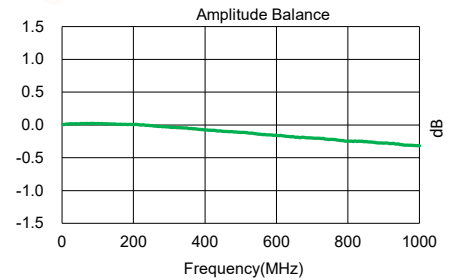
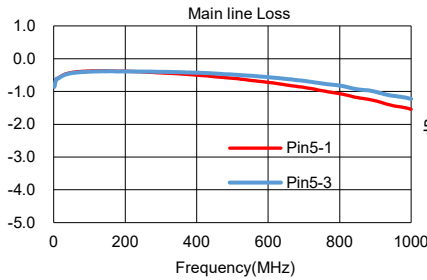
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free
- Input Power: 250mW Max
- DC Current: 30mA Max

Applications

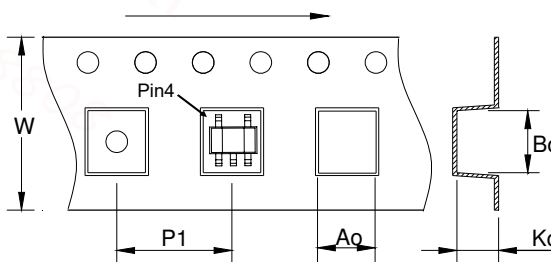
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin5-1)	2-1000MHz	dB	—	1.5	3.0
Main line Loss (Pin5-3)	2-1000MHz	dB	—	1.0	3.0
Amplitude Balance	2-1000MHz	dB	0.0	0.5	2.0
Phase Balance	2-1000MHz	°	0.0	8.0	15.0
Input Return Loss(pin5)	2-1000MHz	dB	4.0	8.0	—



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	4.30
Bo	mm	4.20
Ko	mm	3.50