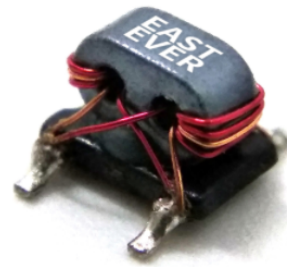


RF Balun Transformer

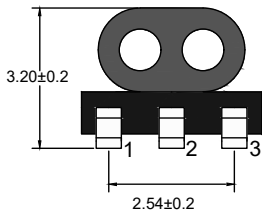
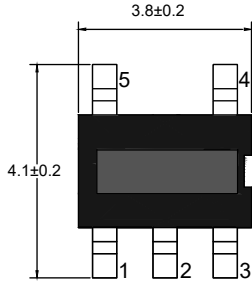
EBH6553-D004207

2022-09-19 Rev.0

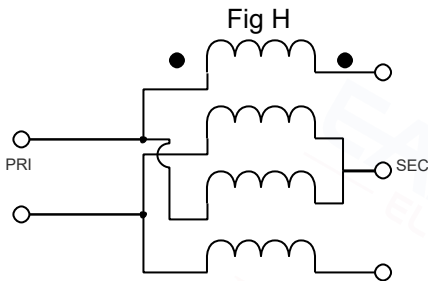


50Ω 1: 4 Transmission Line Transformer 10-1900 MHz

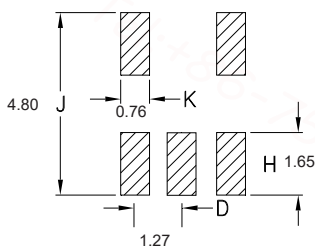
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Features

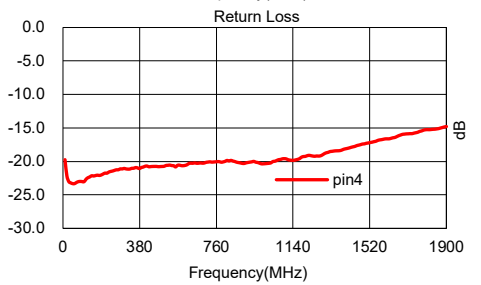
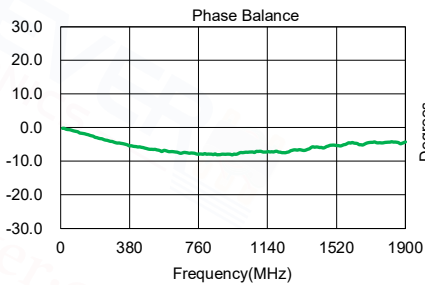
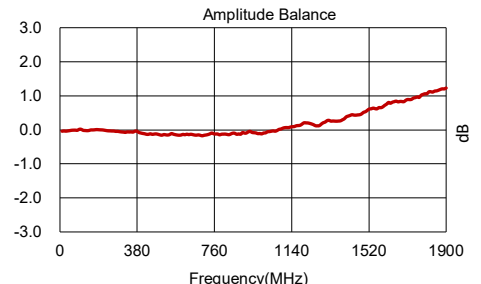
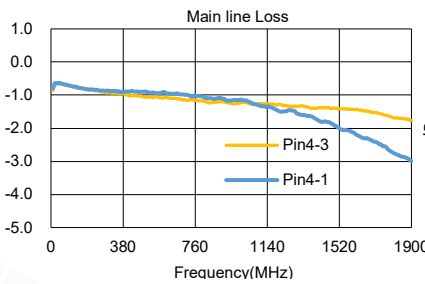
- Input Power: 2W Max
- DC Current: 300mA Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

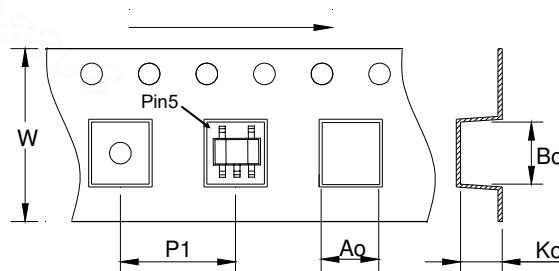
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	10-1900MHz	dB	—	1.8	2.5
Main line Loss (Pin4-1)	10-1900MHz	dB	—	2.5	3.0
Amplitude Balance	10-1900MHz	dB	0.0	0.5	1.5
Phase Balance	10-1900MHz	°	0.0	8.0	15.0
Input Return Loss(pin4)	10-1900MHz	dB	10.0	15.0	—



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