

RF Balun Transformer

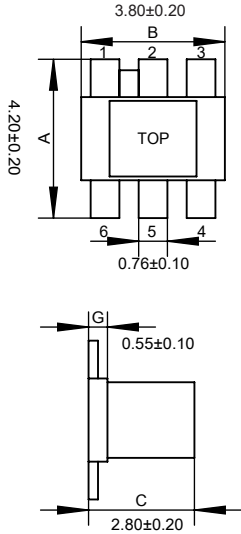
EBG1-63-C012331

2020-11-30 Rev. 0

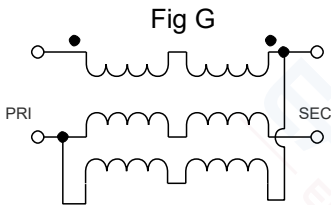


50Ω 1:1 Transmission Line Transformer 10-6000 MHz

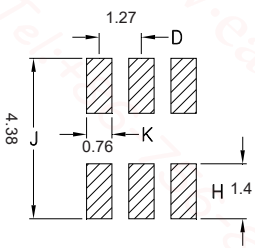
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	3
Output 1	4
Output 2	6
Ground	2
Not Used	5

Features

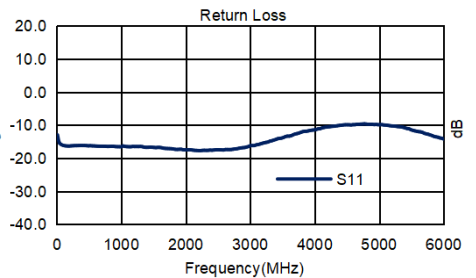
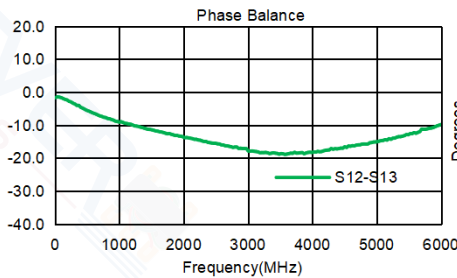
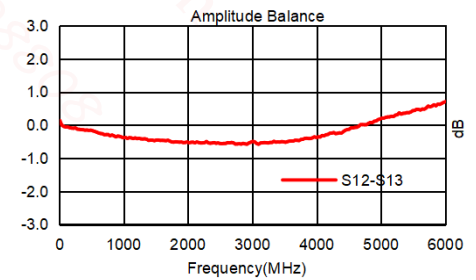
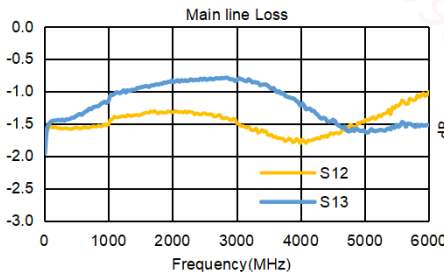
- Operating temperature range: -40 C to +85 C
- Storage temperature range: -55 C to +100 C

Applications

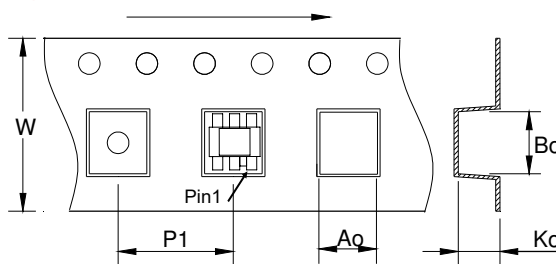
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin3-4)	10-6000MHz	dB	—	1.0	2.5
Main line Loss (Pin3-6)	10-6000MHz	dB	—	1.0	2.5
Amplitude Balance	10-6000MHz	dB	0.0	1.5	2.5
Phase Balance	10-6000MHz	°	0.0	15.0	30.0
Input Return Loss(Pin4)	10-6000MHz	dB	10.0	16.0	—



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