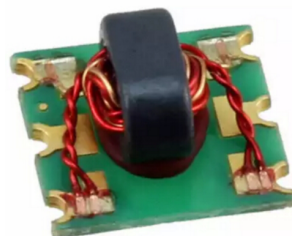


RF Balun Transformer

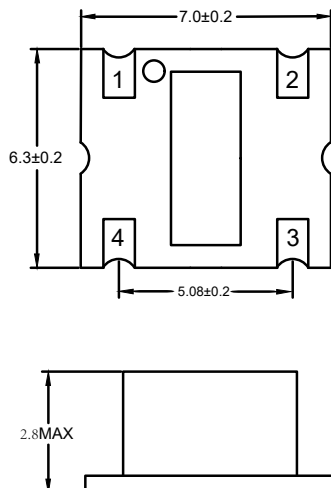
EBG1085-D001081

2021-03-30 Rev. 0

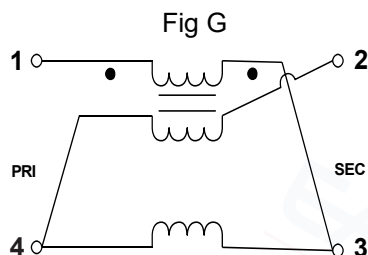


75Ω 1:1 Transmission Line Transformer 5-1250 MHz

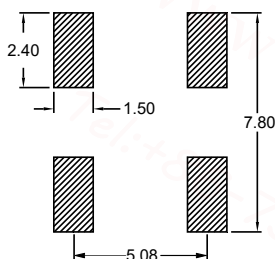
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	1
Output 1	2
Output 2	3
Ground	4

Features

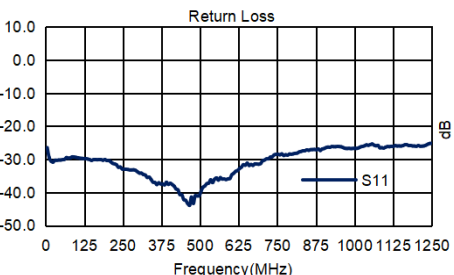
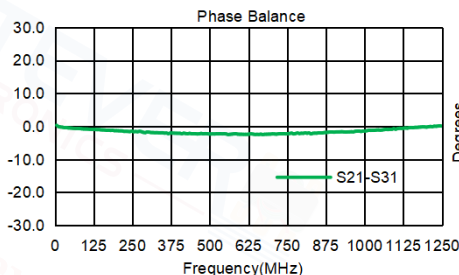
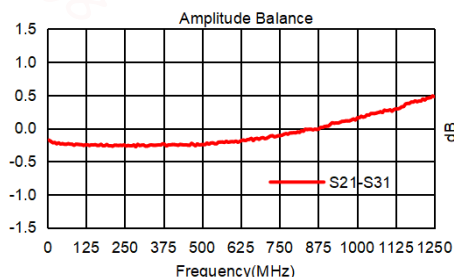
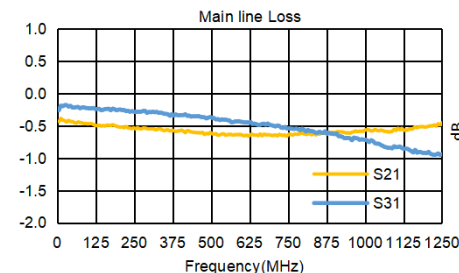
- Operating temperature range: -40℃ to +125℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free
- Input RF Power:2000 mW
- DC Current:1500 mA

Applications

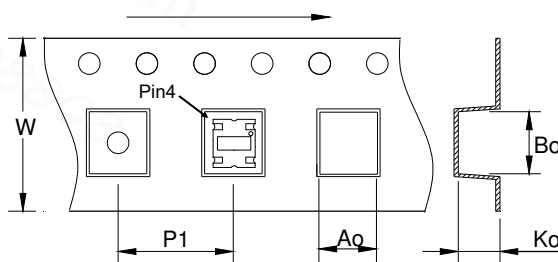
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

Electrical Specifications:TA=25℃, 0dBm, Z0=75Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin1-2)	5-1250MHz	dB	—	0.5	1.2
Main line Loss (Pin1-3)	5-1250MHz	dB	—	1.0	1.5
Amplitude Balance	5-1250MHz	dB	0.0	0.2	1.2
Phase Balance	5-1250MHz	°	0.0	1.0	10.0
Input Return Loss(Pin1)	5-1250MHz	dB	16.0	25.0	—



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	3.90

