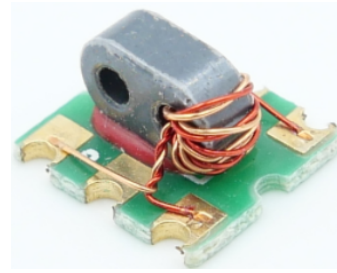


RF Balun Transformer

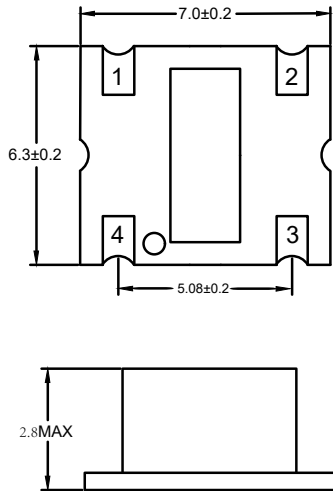
EBG1085-D001081

2021-03-19 Rev. 0

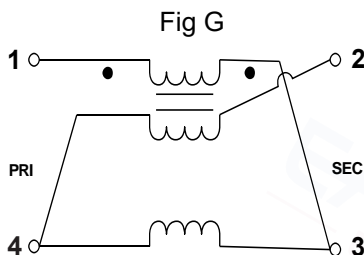


75Ω 1:1 Transmission Line Transformer 5-1250 MHz

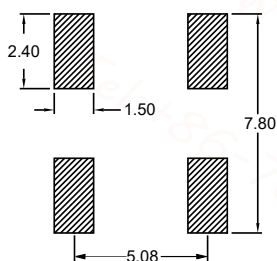
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	1
Output 1	2
Output 2	3
Ground	4

Features

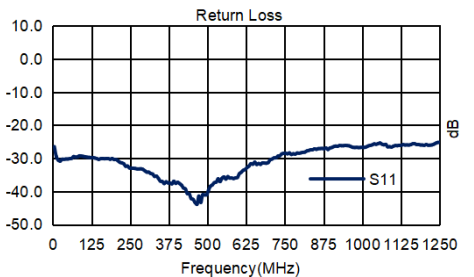
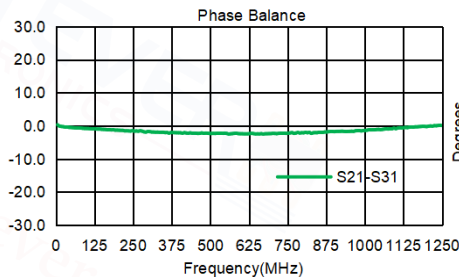
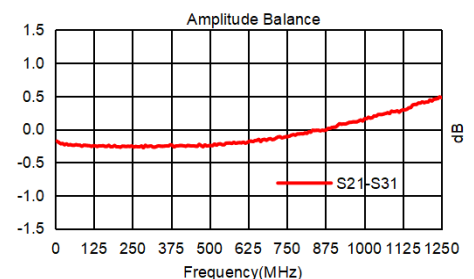
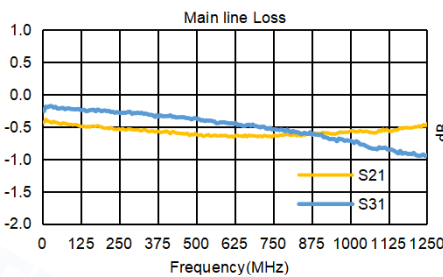
- RF Power,2.0W
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

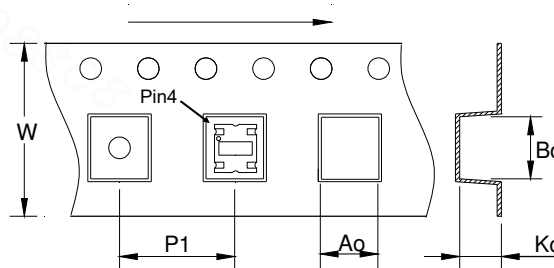
For Docsis 3.0 & 3.1 Cable Modem.
 For Wideband Push-pull Amplifiers.
 For CATV Amplifiers Module & Set top box.
 For CATV Optical Receivers and Amplifiers.
 For VHF/UHF Transmitters and Push-pull Amplifiers.

Electrical Specifications:TA=25°C, 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