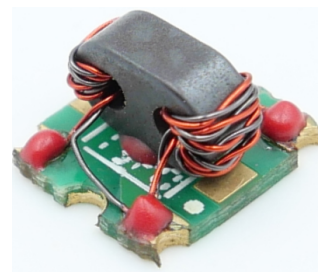


# RF Balun Transformer

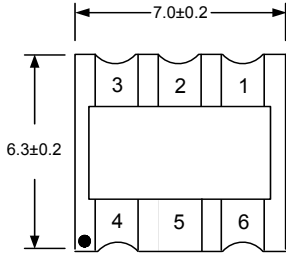
## EBG9210-D001384

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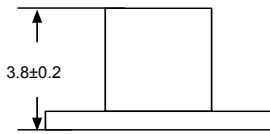


75Ω 1:1 Transmission Line Transformer 5-1250MHz

### Outline Drawing(mm)

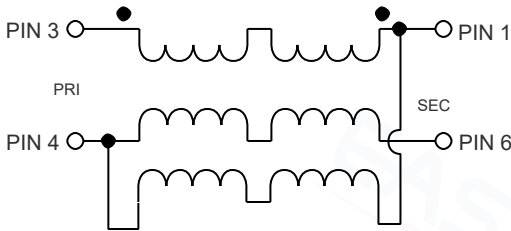


Top View

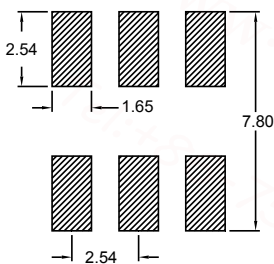


### Electrical structure

Fig G



### Recommended layout(mm)



### Pin Connections

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

### Features

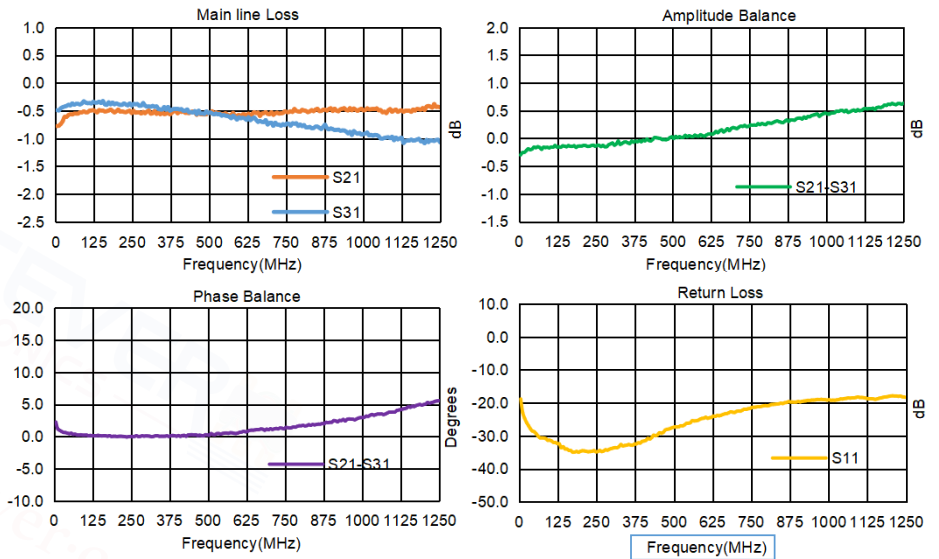
- RF Power, 0.5W
- DC current: 500mA
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40 C to+85 C
- Storage temperature range: -55 C to +100 C

### Applications

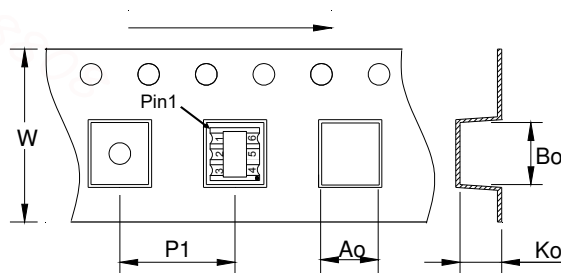
- For Docsis 3.0 & 3.1 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

### Electrical Specifications:TA=25°C, 0dBm, Z0=75Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin3-1)	5-1250MHz	dB	—	0.5	1.0
Main line Loss (Pin3-6)	5-1250MHz	dB	—	0.8	1.8
Amplitude Balance	5-1250MHz	dB	0.0	0.5	1.2
Phase Balance	5-1250MHz	°	0.0	3.0	10.0
Input Return Loss(Pin4)	5-1250MHz	dB	16.0	20.0	—



### Carrier Tape Orientation



### Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	1500
Reel Size	mm	330
Tape Width	mm	24.00
Pitch	mm	12.00
Ao	mm	7.20
Bo	mm	8.10
Ko	mm	3.80