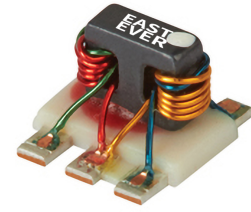


RF Balun Transformer

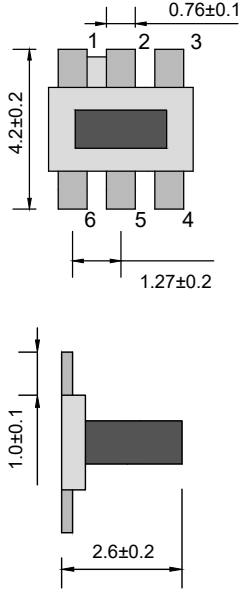
EBG0282-B012331

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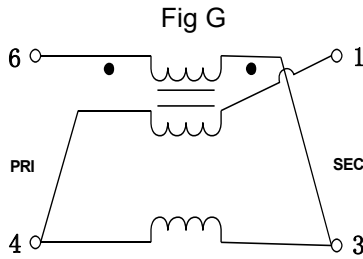


75Ω 1:1.33 Transmission Line Transformer 5-2800MHz

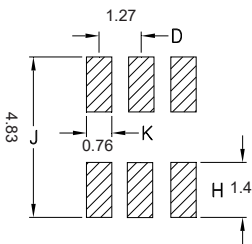
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Features

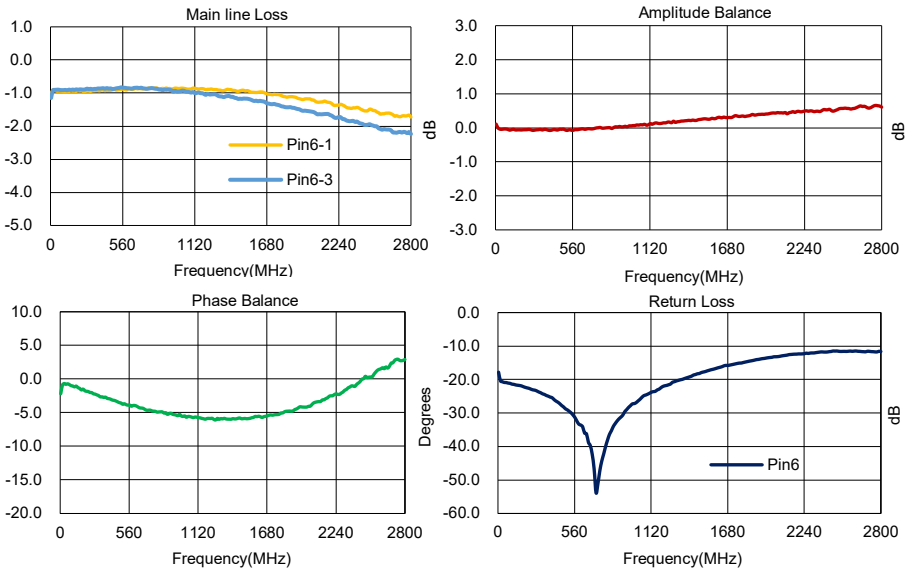
- Operating temperature range: -40 °C to +85 °C
- Storage temperature range: -55 °C to +100 °C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 250mW
- DC Current: 30mA

Applications

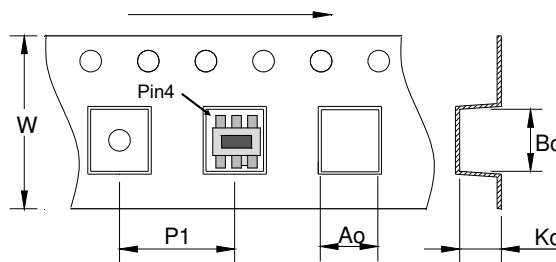
- For Doccis 3.0&4.0Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin6-1)	5-2800MHz	dB	—	1.5	2.2
Main line Loss (Pin6-3)	5-2800MHz	dB	—	2.0	2.8
Amplitude Balance	5-2800MHz	dB	0.0	1.0	1.8
Phase Balance	5-2800MHz	°	0.0	5.0	15.0
Input Return Loss(Pin6)	5-2800MHz	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