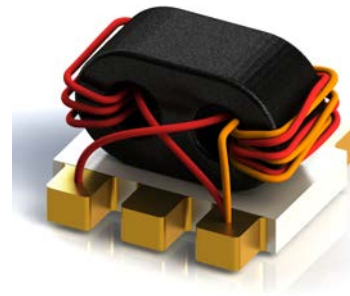


RF Balun Transformer

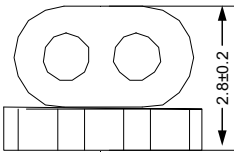
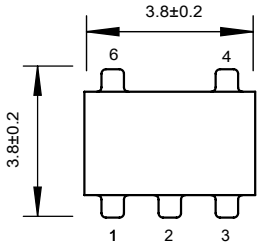
EBG0035-D013243

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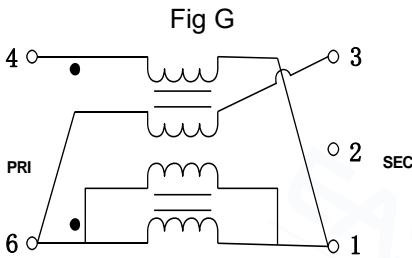


75Ω 1:1 Transmission Line Transformer 45-1250MHz

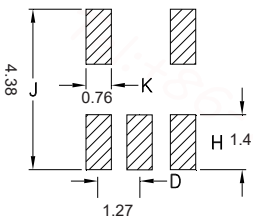
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Features

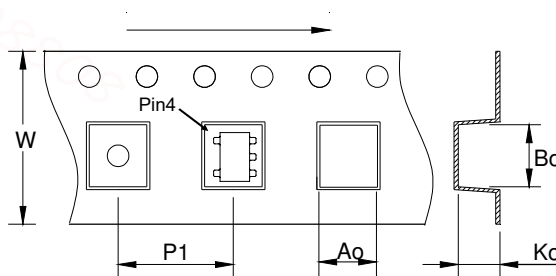
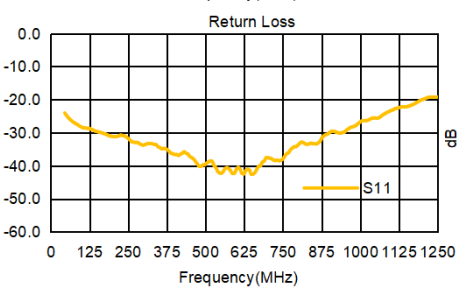
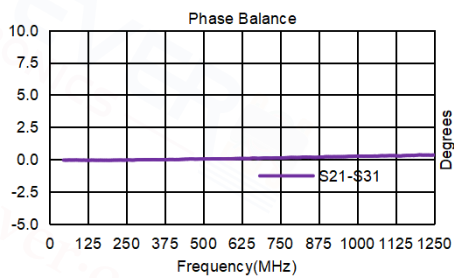
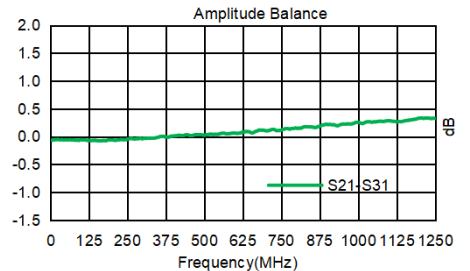
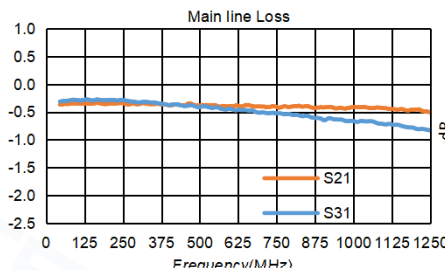
- RF Power, 2.0W
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

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 (Pin4-3)	45-1250MHz	dB	—	0.5	1.0
Main line Loss (Pin4-1)	45-1250MHz	dB	—	0.8	1.8
Amplitude Balance	45-1250MHz	dB	0.0	0.3	1.2
Phase Balance	45-1250MHz	°	0.0	1.0	10.0
Input Return Loss(Pin4)	45-1250MHz	dB	16.0	20.0	—



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	5.30
Ko	mm	3.60