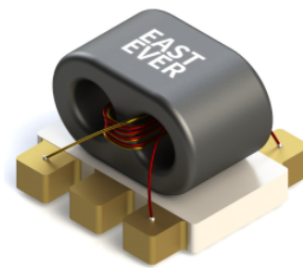


RF Balun Transformer

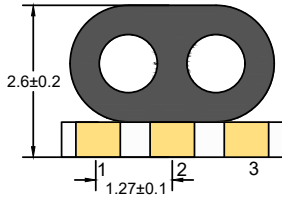
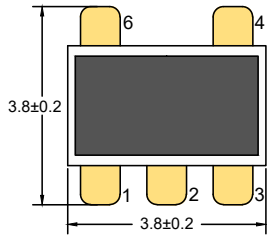
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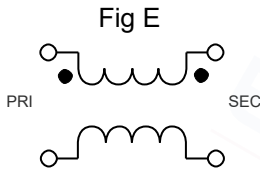


75Ω 1:1 Transmission Line Transformer 5-3000 MHz

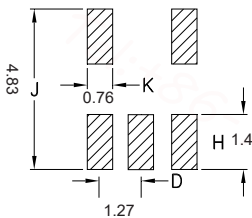
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	4
Output 1	3
Output 2	1
Ground	6

Features

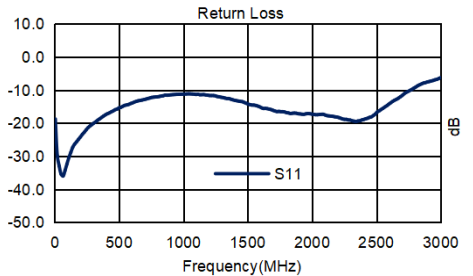
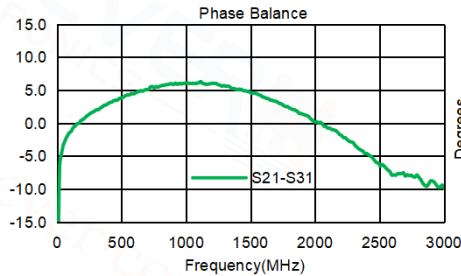
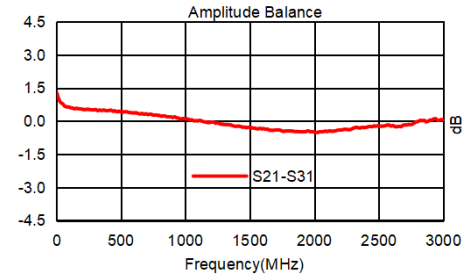
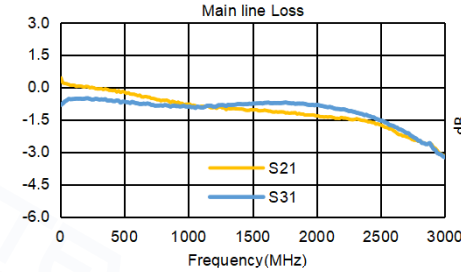
- RF Power, 0.50W Max
- DC Current, 500 mA Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

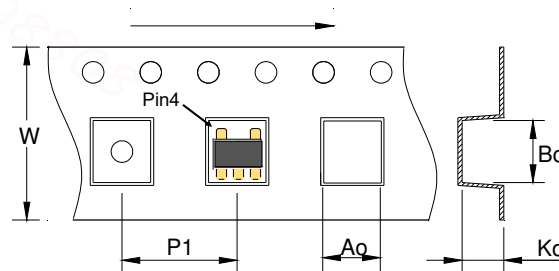
- For Docsis 3.0 & 4.0 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	5-3000MHz	dB	—	3.0	4.5
Main line Loss (Pin4-1)	5-3000MHz	dB	—	3.0	4.5
Amplitude Balance	5-3000MHz	dB	—	1.5	2.0
Phase Balance	5-3000MHz	°	—	15.0	25.0
Input Return Loss (Pin4)	5-3000MHz	dB	6.0	12.0	—



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	12.00
Ao	mm	4.50
Bo	mm	4.50
Ko	mm	3.20