

RF Balun Transformer

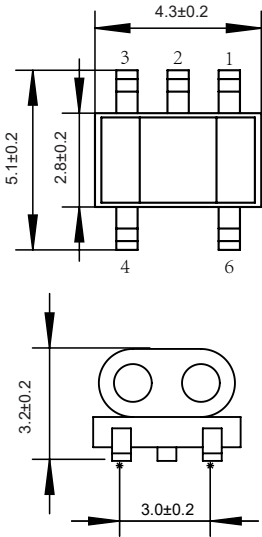
EBE2156-F009105

2020-03-20 Rev. 0



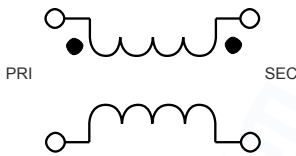
75Ω 1:1 Transmission Line Transformer 2.3-2700 MHz

Outline Drawing(mm)

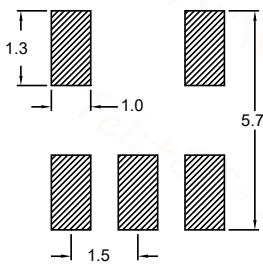


Electrical structure

Fig E



Recommended layout(mm)



Pin Connections

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

Features

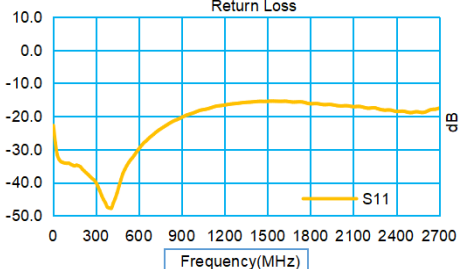
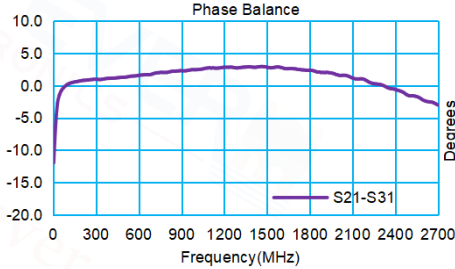
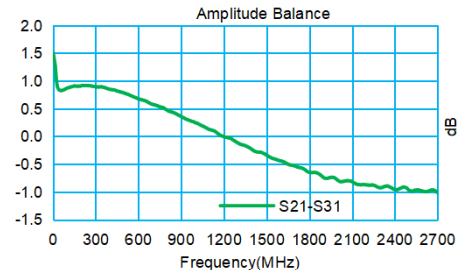
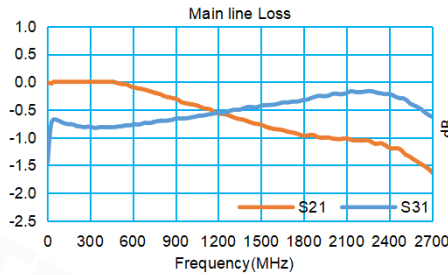
- RF Power,0.5W Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40 °C to +85 °C
- Storage temperature range: -55 °C to +100 °C

Applications

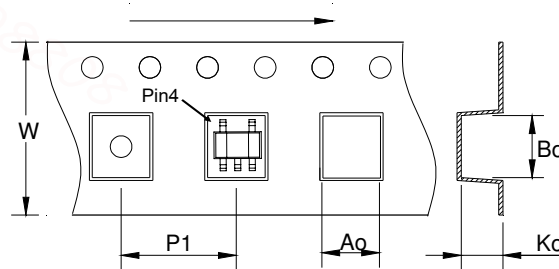
- For Dccsis 3.0 & 3.1 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	2.3-2700MHz	dB	—	1.0	2.0
Main line Loss (Pin4-1)	2.3-2700MHz	dB	—	0.5	1.5
Amplitude Balance	2.3-2700MHz	dB	0.0	0.5	2.0
Phase Balance	2.3-2700MHz	°	0.0	5.0	15.0
Input Return Loss(Pin4)	2.3-2700MHz	dB	16.0	20.0	—



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	6.10
Bo	mm	6.10
Ko	mm	3.60