

RF Balun Transformer

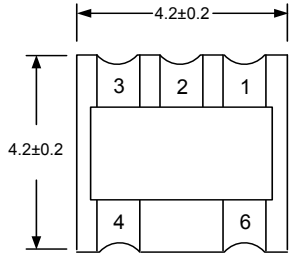
EBA9852-G018087

2021-06-11 Rev. 0

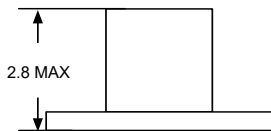


75Ω 1: 1 CT Flux Coupled Transformer 5-300 MHz

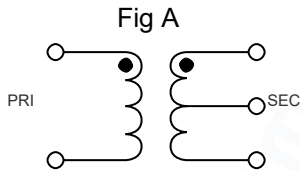
Outline Drawing(mm)



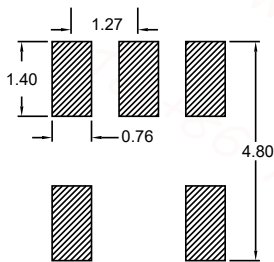
Top View



Electrical structure



Recommended layout(mm)



Pin Connections

Input	4
Output 1	3
Output 2	1
Ground	2,6

Features

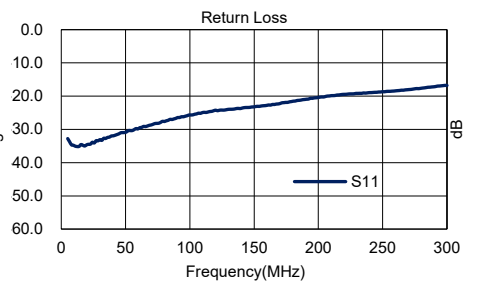
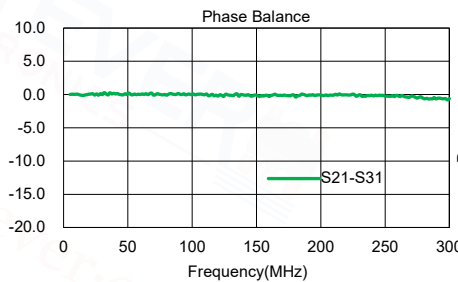
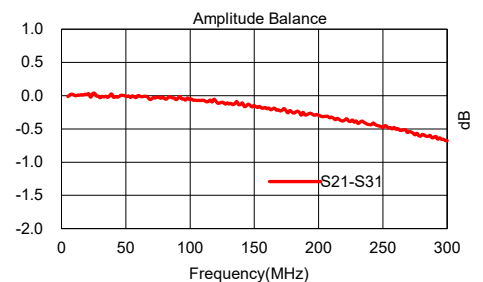
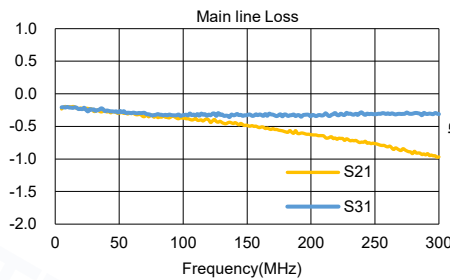
- Input Power: 0.5W Max
- DC Current:500mA Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40 C to+100 C
- Storage temperature range: -55 C to +100 C

Applications

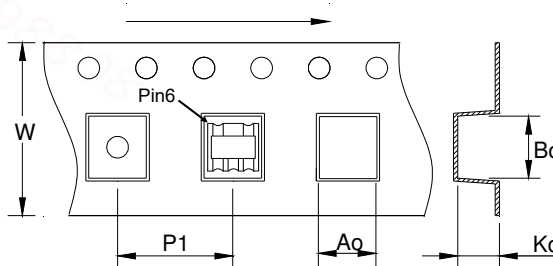
- For Docsis 3.0 & 3.1 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (S21)	5-300MHz	dB	—	0.8	1.2
Main line Loss (S31)	5-300MHz	dB	—	0.4	0.8
Amplitude Balance	5-300MHz	dB	0.0	0.5	1.0
Phase Balance	5-300MHz	°	0.0	1.0	3.0
Input Return Loss(Pin4)	5-300MHz	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	16.00
Pitch	mm	8.00
Ao	mm	4.80
Bo	mm	4.80
Ko	mm	3.50