

RF Balun Transformer

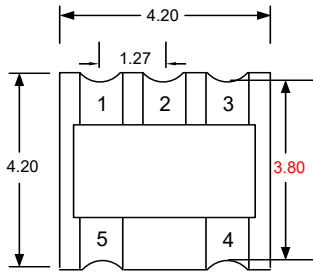
EBA3713-H018315

2022-03-09 Rev. 1

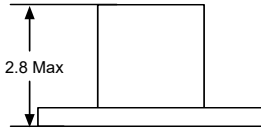


75Ω 1:1 CT Flux Coupled Transformer 1-300 MHz

Outline Drawing(mm)

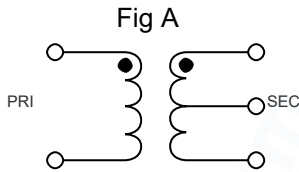


Top View

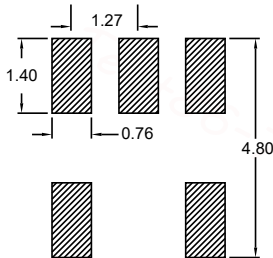


Side View

Electrical structure



Recommended layout(mm)



Pin Connections

Input	5
Output 1	1
Output 2	3
Ground	4
Centre tap (Ground)	2

Features

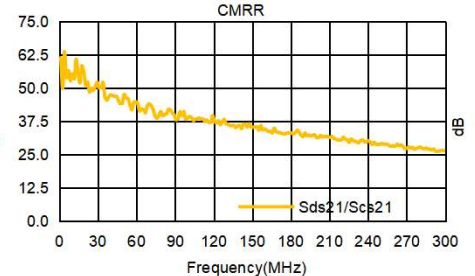
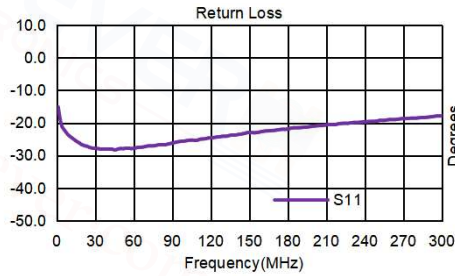
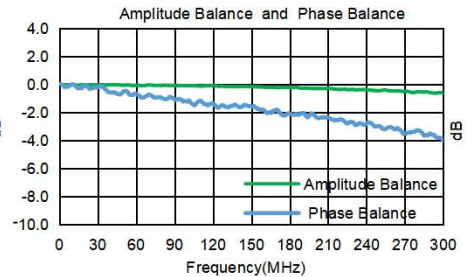
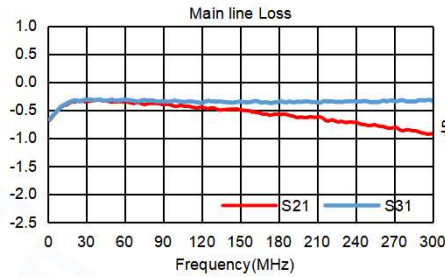
- RF Power, 0.25W Max
- DC current: 30mA Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range:-40 C to +85 C
- Storage temperature range: -55 C to +100 C

Applications

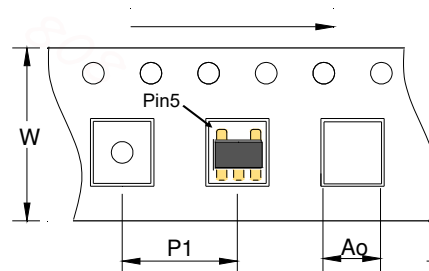
- For Docsis 3.0 & 3.1 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin5-1)	1-300MHz	dB	—	0.6	1.2
Main line Loss (Pin5-3)	1-300MHz	dB	—	0.4	1.0
Amplitude Balance	1-300MHz	dB	0.0	0.4	1.2
Phase Balance	1-300MHz	°	0.0	3.0	10.0
Input Return Loss(Pin5)	1-300MHz	dB	16.0	20.0	—
CMRR	1-300MHz	dB	20.0	30.0	—



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	3.50