

RF Balun Transformer

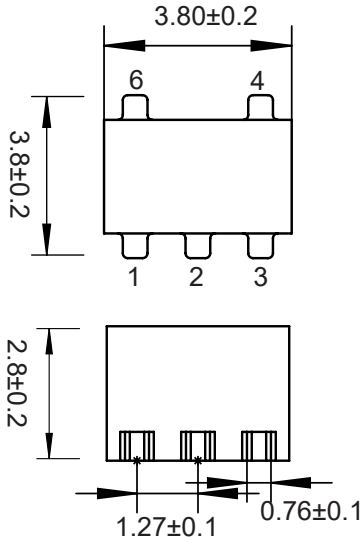
EBA0705-C013082

2020-01-18 Rev. 0

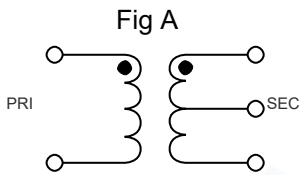


50Ω 1:1CT Flux Coupled Transformer 5-120 MHz

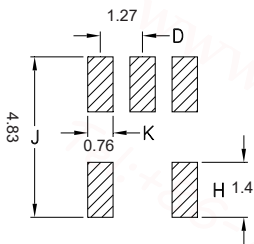
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Features

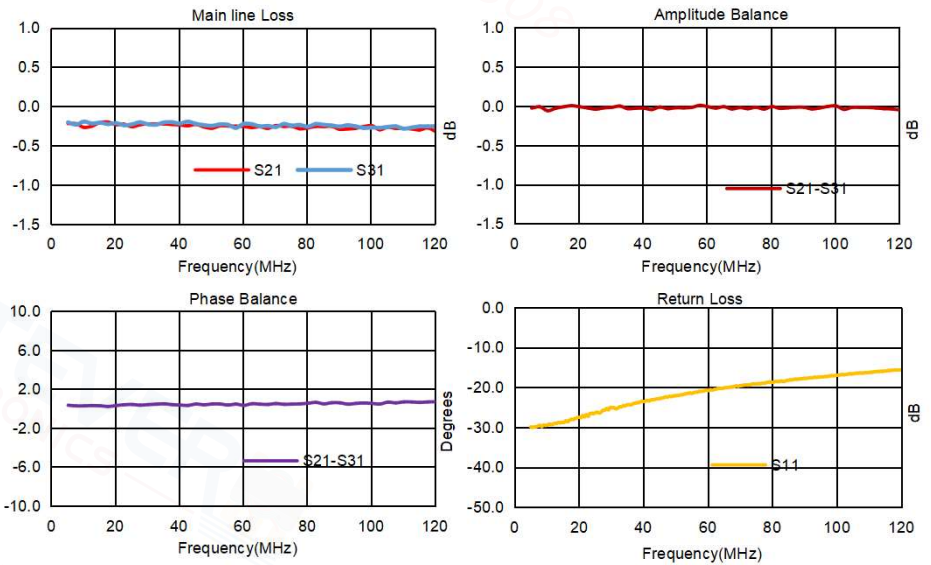
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

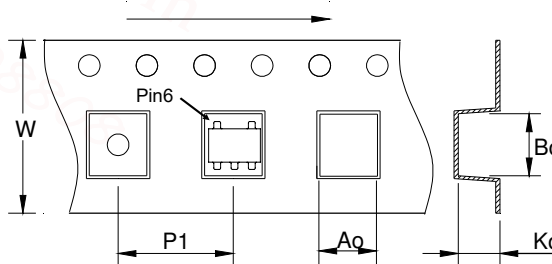
- Impedance matchin
- Balanced amplifie
- Balun
- Cellula and VHF

Electrical Specifications:TA=25°C, 0dBm, Z0=50Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	5-120MHz	dB	—	0.3	0.6
Main line Loss (Pin4-1)	5-120MHz	dB	—	0.3	0.6
Amplitude Balance	5-120MHz	dB	0.0	0.1	0.3
Phase Balance	5-120MHz	°	0.0	1.0	5.0
Input Return Loss(Pin4)	5-120MHz	dB	14.0	18.0	—



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