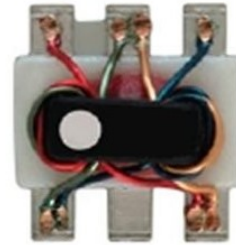


# RF Balun Transformer

## EBA1040-H012109

2021-01-06 Rev. 0



75Ω 1:6CT Flux Coupled Transformer 1-300 MHz

### Outline Drawing(mm)

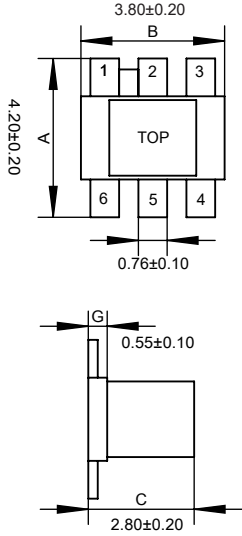
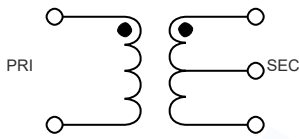
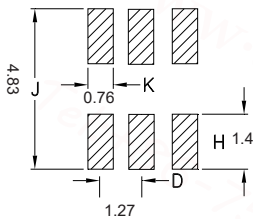


Fig A



### Recommended layout(mm)



### Pin Connections

Input	4
Output 1	3
Output 2	1
Centre tap(ground)	2
ground	6

### Features

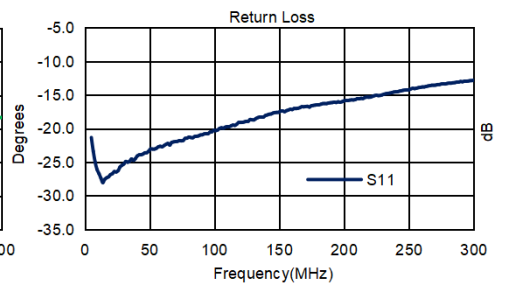
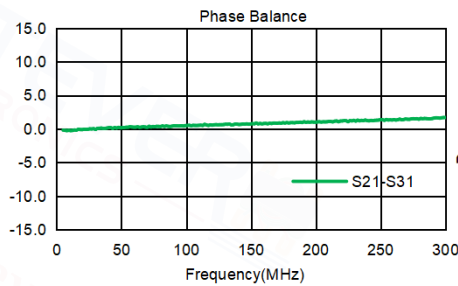
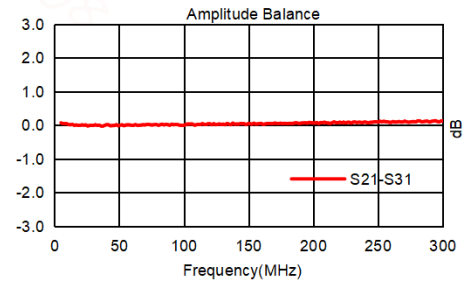
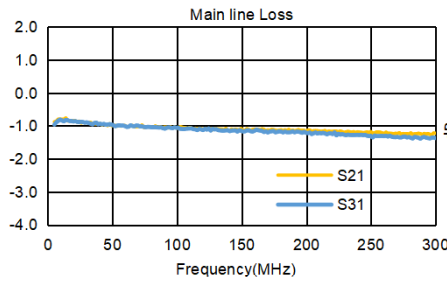
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

### Applications

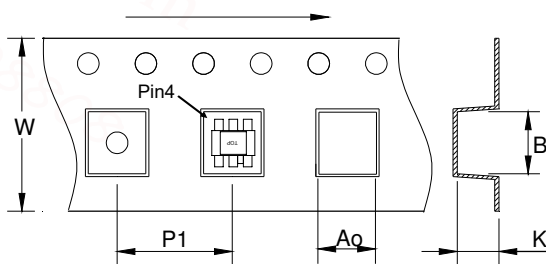
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	1-300MHz	dB	—	0.8	1.5
Main line Loss (Pin4-1)	1-300MHz	dB	—	0.8	1.8
Amplitude Balance	1-300MHz	dB	0.0	0.2	1.2
Phase Balance	1-300MHz	°	0.0	3.0	8.0
Input Return Loss(Pin6)	1-300MHz	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	12.00
Pitch	mm	8.00
Ao	mm	4.50
Bo	mm	4.50
Ko	mm	3.20