

Wideband Transformer

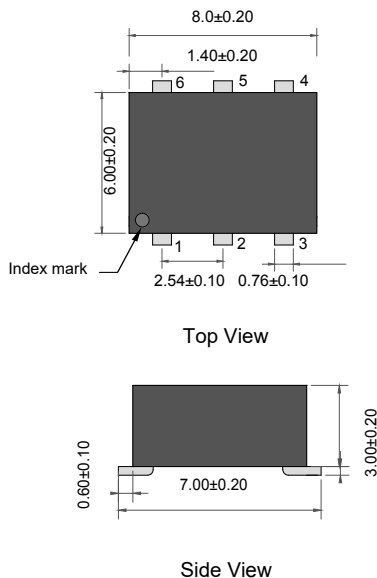
EBA0408-G035392

2024-11-21 Rev. 0

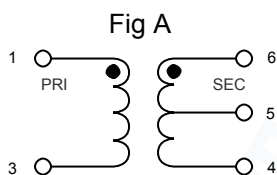


1:4 50Ω:200Ω 0.15-500 MHz

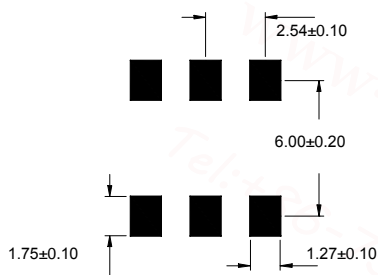
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	1
Output 1	6
Output 2	4
Ground	3, 5
NOT USED	2

Features

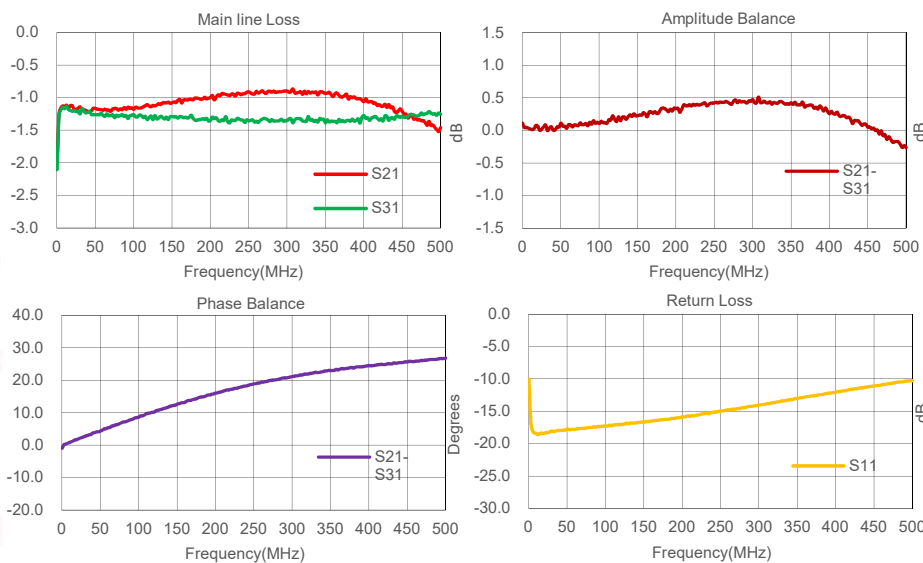
- DC current: 500mA
- Power Input(as a splitter): 0.5W Max
- 260°C Reflow Compatible
- RoHS Compliant and Pb Free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

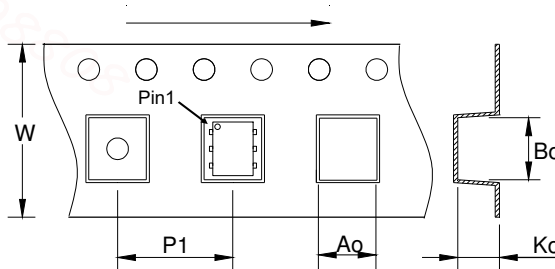
For Motorola Walkie-talkie.
 For Car Streaming Media Rearview Mirror.
 For Broadband and Wireless Communications.
 For Wireless Microphone & Marine Communications.
 For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
 For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Insertion Loss 1(Pin1-6)	0.15-500MHz	dB	—	1.0	3.0
Insertion Loss 1(Pin1-4)	0.15-500MHz	dB	—	1.3	3.0
Amplitude Balance	0.15-500MHz	dB	0.0	0.5	1.0
Phase Balance	0.15-500MHz	°	0.0	20.0	40.0
Return Loss(Pin1)	0.15-500MHz	dB	8.0	17.0	—



Carrier Tape Orientation



Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	1500
Reel Size	mm	330
Tape Width	mm	16.00
Pitch	mm	12.00
Ao	mm	7.20
Bo	mm	8.10
Ko	mm	3.80