

Power Splitter/Combiner

EDD0404-H009021

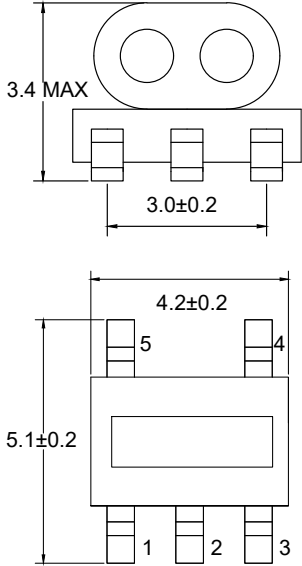
2024-04-22 Rev. 0



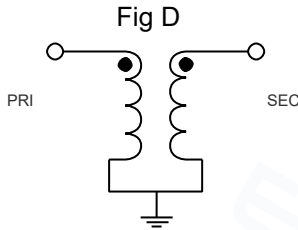
50Ω 2 Way-0° Power Divider

5-1250 MHz

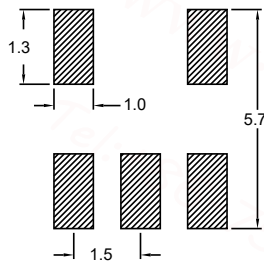
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	2
Output 1	1
Output 2	3
Not Connected	4,5

Features

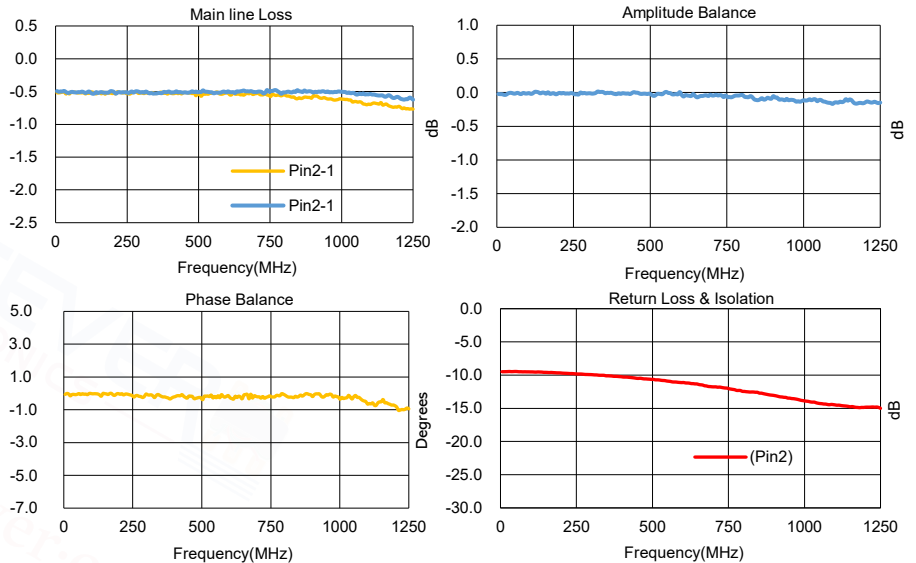
- RF Power, 0.25W MAX
- DC Current, 30mA MAX
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

Applications

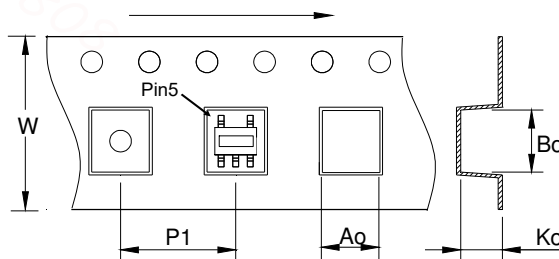
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin2-1)	5-1250MHz	dB	—	0.6	1.0
Main line Loss (Pin2-3)	5-1250MHz	dB	—	0.5	1.0
Amplitude Balance	5-1250MHz	dB	0.0	0.2	0.8
Phase Balance	5-1250MHz	°	0.0	2.0	10.0
Input Return Loss(Pin2)	5-1250MHz	dB	8.0	15.0	—



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	5.70
Ko	mm	3.60