

Power Splitter/Combiner

EDK2-10-B132331

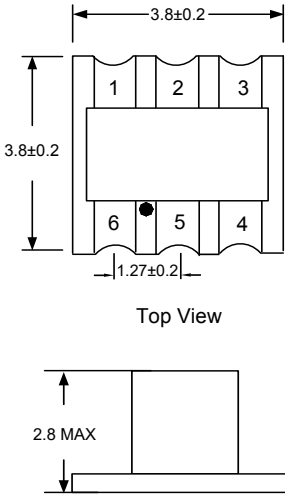
2024-09-14 Rev. 1



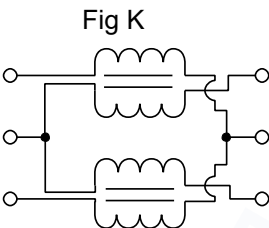
50Ω 2 Way-0° Power Divider

5-1000MHz

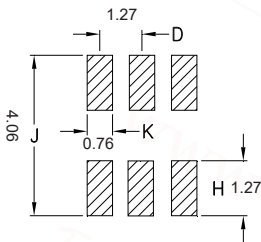
Outline Drawing(mm)



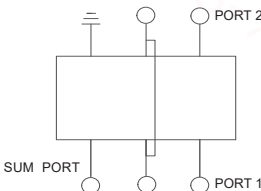
Electrical structure



Recommended layout(mm)



electrical schematic



Pin Connections

SUM PORT	6
PORT 1	4
PORT 2	3
GROUND	1,2
NOT USED	5

Features

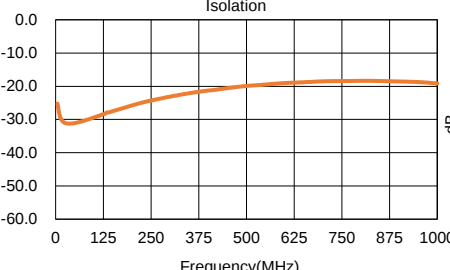
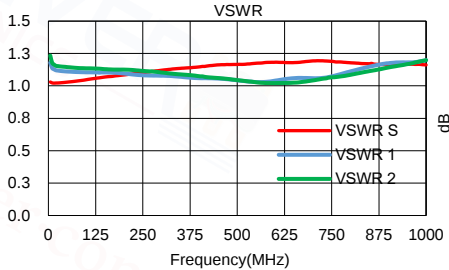
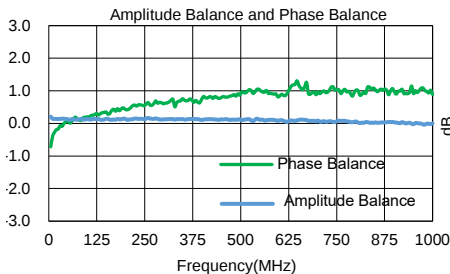
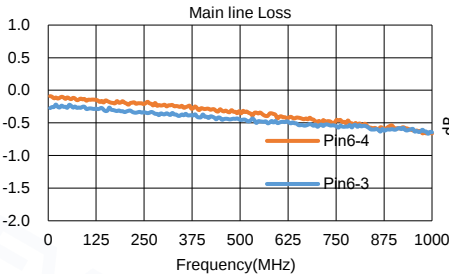
- RF Power: 0.5W Max
- Internal Dissipation:0.125W Max
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free

Applications

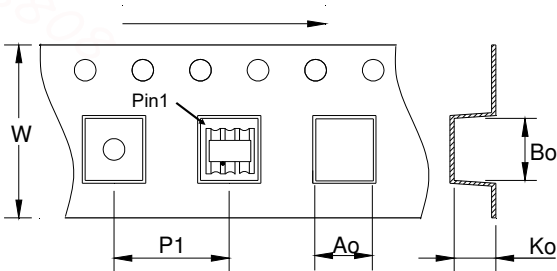
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin6-4)	5-1000MHz	dB	—	0.5	1.0
Main line Loss (Pin6-3)	5-1000MHz	dB	—	0.5	1.0
VSWR	5-1000MHz	dB	—	1.0	1.3
Amplitude Unbalance	5-1000MHz	dB	—	0.2	0.5
Phase Unbalance	5-1000MHz	dB	—	1.0	5.0
Isolation	5-1000MHz	dB	16.0	22.0	—



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