

Power Splitter/Combiner

EDC1027-G122480

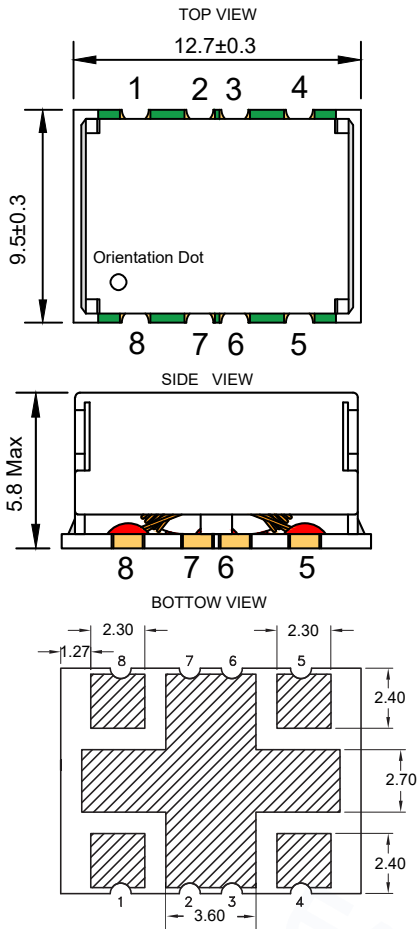
2024-10-15 Rev. 0



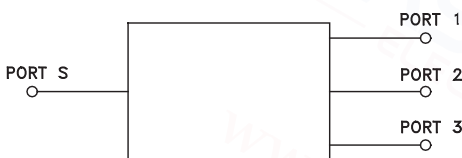
75Ω 3 Way-0° Power Divider

5-1500MHz

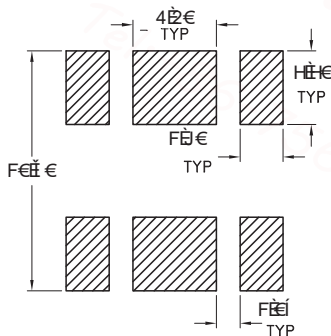
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

INPUT	8
PORT 1	1
PORT 2	4
PORT 3	5
GROUND	2,3,6,7

Features

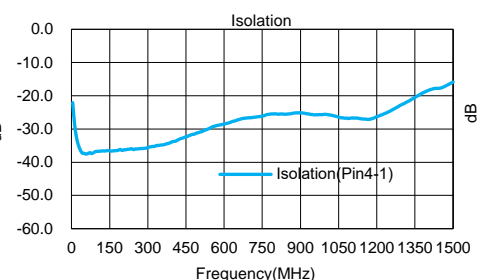
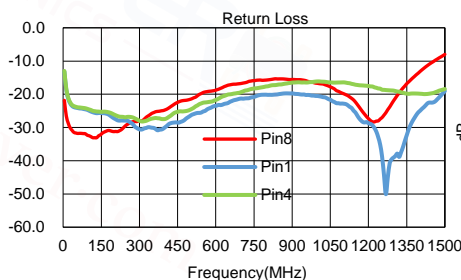
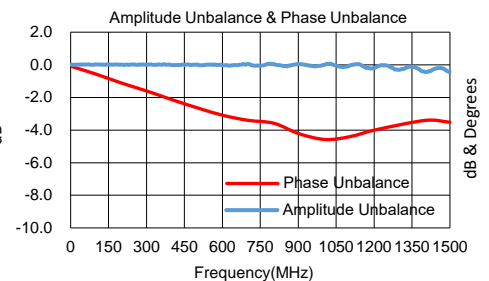
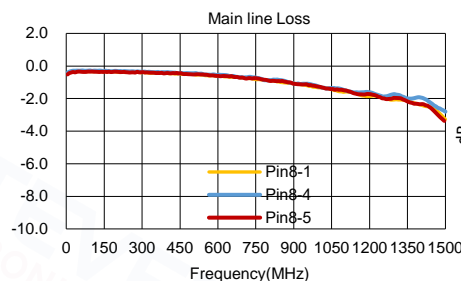
- RF Power:0.5W Max
- DC Current:500mA Max
- Operating temperature range:-40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free

Applications

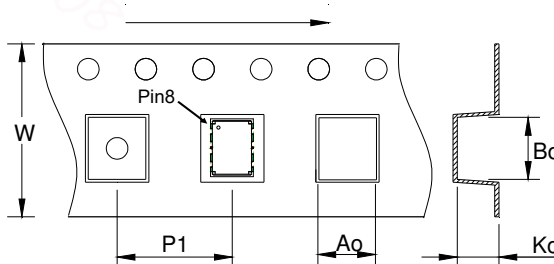
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differentially Suited Modulator/demodulator and Active Mixers.

Electrical Specifications:TA=25℃, 0dBm, Z0=75Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Insertion Loss 1(Pin8-1)	5-1500MHz	dB	—	4.0	5.3
Insertion Loss 2(Pin8-4)	5-1500MHz	dB	—	4.5	5.0
Insertion Loss 3(Pin8-5)	5-1500MHz	dB	—	4.8	5.2
Isolation	5-1500MHz	dB	14.0	16.0	—
Phase Unbalance	5-1500MHz	dB	—	4.0	8.0
Amplitude Unbalance	5-1500MHz	dB	—	0.5	0.9
Input Return Loss	5-1500MHz	dB	5.0	9.0	—
Output Return Loss 1	5-1500MHz	dB	15.0	18.0	—
Output Return Loss 2	5-1500MHz	dB	15.0	19.0	—



Carrier Tape Orientation



Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	250
Reel Size	mm	330
Tape Width	mm	24.00
Pitch	mm	16.00
Ao	mm	12.30
Bo	mm	15.50
Ko	mm	7.40