

# Power Splitter/Combiner

## EDM0202-G009204

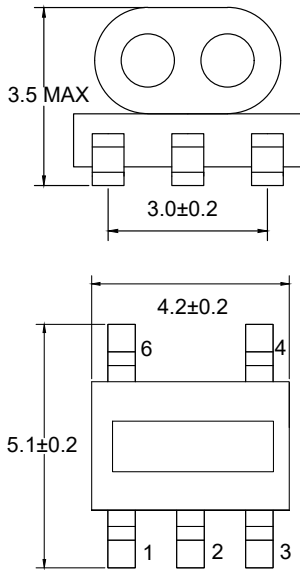
2023-02-22 Rev. 0



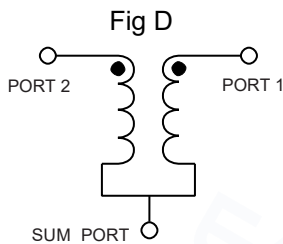
75Ω 2 Way-0° Power Divider

5-1800MHz

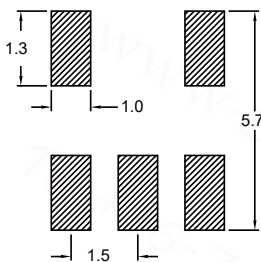
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Pin Connections

SUM PORT	2
PORT 1	1
PORT 2	3
Not Connected	4,6

### Features

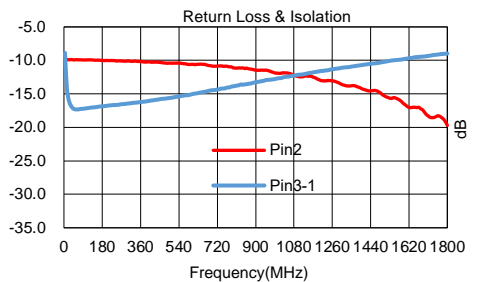
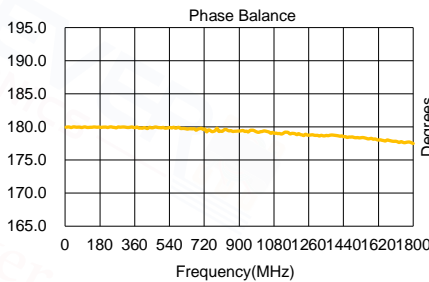
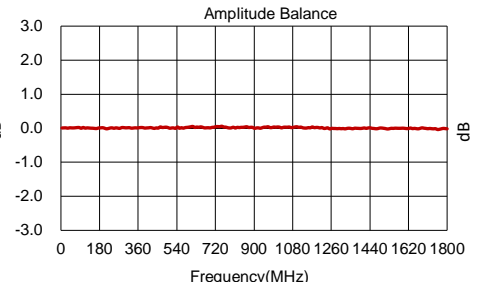
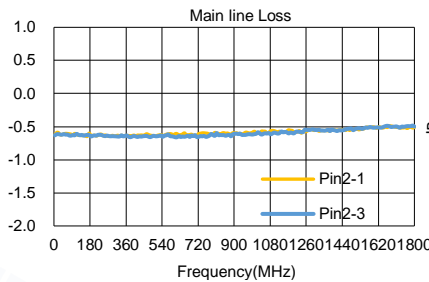
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free
- Input Power: 0.5W
- DC Current: 0.5A

### Applications

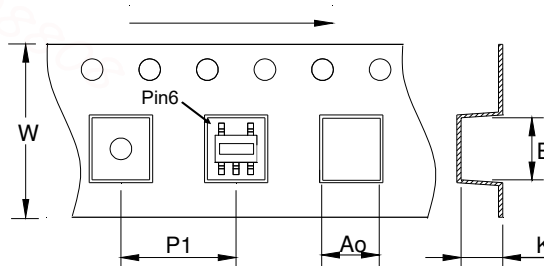
- For Docsis 3.0 & 3.1 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin2-1)	5-1800MHz	dB	—	0.5	0.9
Main line Loss (Pin2-3)	5-1800MHz	dB	—	0.5	0.9
Amplitude Balance	5-1800MHz	dB	—	0.1	0.5
Phase Balance	5-1800MHz	dB	—	3.0	6.0
Input Return Loss(Pin2)	5-1800MHz	dB	10.0	14.0	—
Isolation	5-1800MHz	dB	8.0	12.0	—



### 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