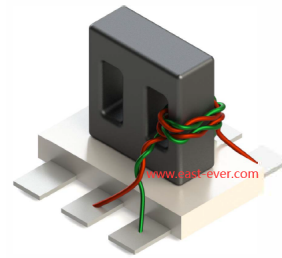


# Power Splitter/Combiner

## EDL2-25-G012389

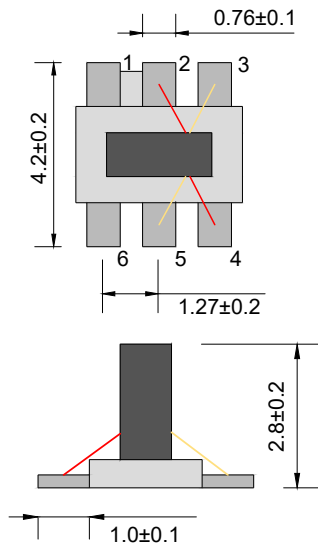
2020-03-04 Rev. 0



50Ω 2 Way-0° Power Divider

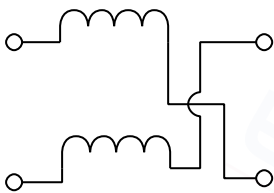
300-1600 MHz

### Outline Drawing(mm)

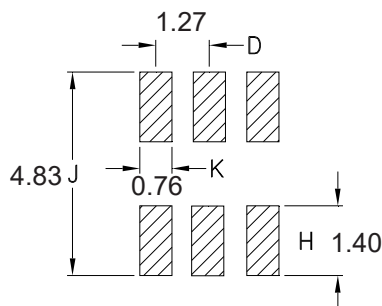


### Electrical structure

Fig L



### Recommended layout(mm)



### Pin Connections

SUM PORT	2,5,6
PORT 1	3
PORT 2	4
GROUND	1
EXT. RESISTOR 475Ω	3,4

### Features

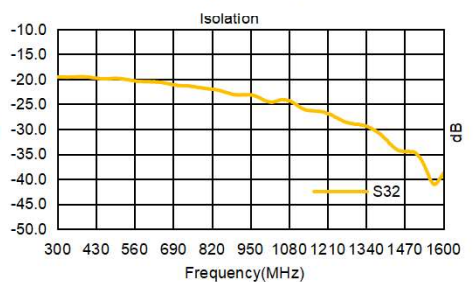
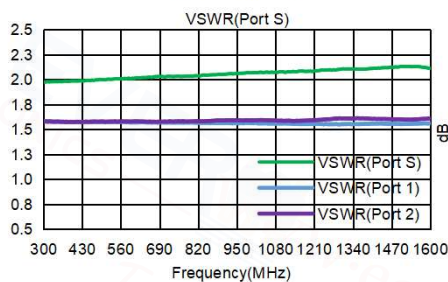
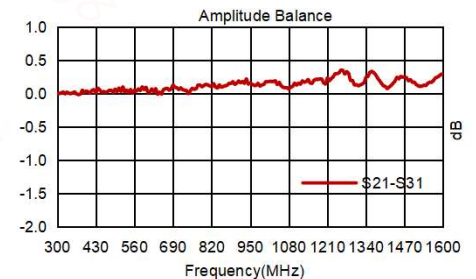
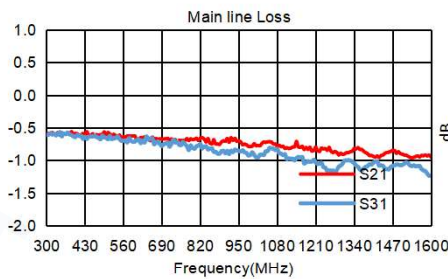
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- RoHS compliant and lead free
- 260°C Reflow Compatible
- Input Power: 250mW
- DC Current: 100mA

### Applications

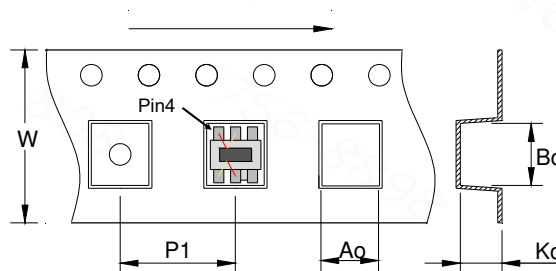
For Motorola Walkie-talkie.  
 For Car Streaming Media Rearview Mirror.  
 For Broadband and Wireless Communications.  
 For Wireless Microphone & Marine Communications.  
 For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.  
 For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (out1)	300-1600MHz	dB	—	0.8	1.2
Main line Loss (out2)	300-1600MHz	dB	—	1.0	1.5
Amplitude Balance	300-1600MHz	dB	0.0	0.3	0.8
Phase Balance	300-1600MHz	°	0.0	3.0	6.0
SWR - S	300-1600MHz	dB	—	2.0	2.5
SWR - 1	300-1600MHz	dB	—	1.5	1.8
SWR - 2	300-1600MHz	dB	—	1.5	1.8
Isolation	300-1600MHz	dB	20	30.0	—



### 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	12.00
Ao	mm	4.50
Bo	mm	4.50
Ko	mm	3.20