

Power Splitter/Combiner

EDK2-12-G023811

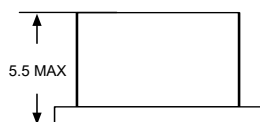
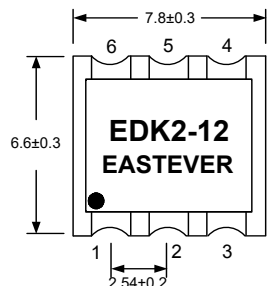
2026-08-08 Rev. 1



50Ω 2 Way-0° Power Divider

0.5-400MHz

Outline Drawing(mm)

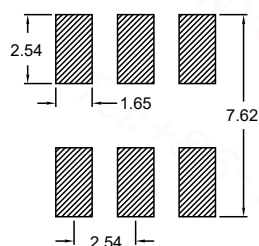


Electrical Structure

Fig K



Recommended Layout(mm)



Pin Connections

SUM PORT	1
PORT 1	3
PORT 2	4
GROUND	6
Externally connect together & isolate	2,5

Features

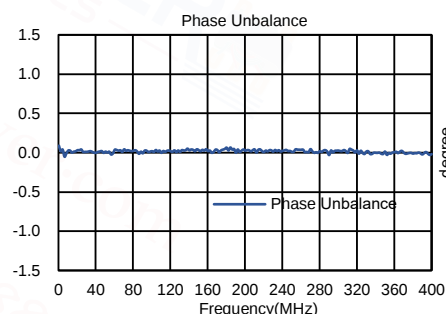
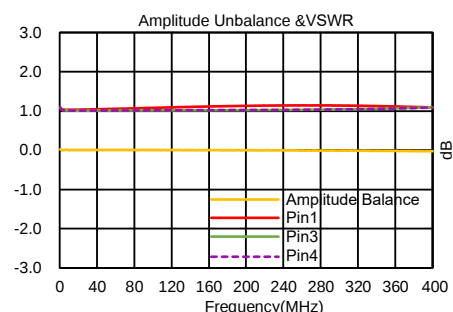
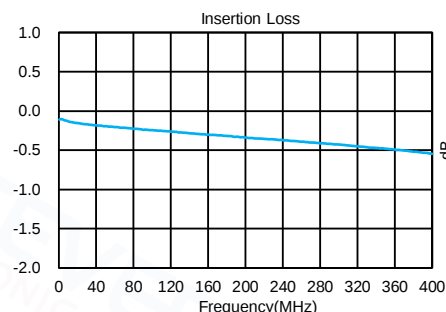
- Input Power: 0.5W Max
- DC Current: 30mA Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

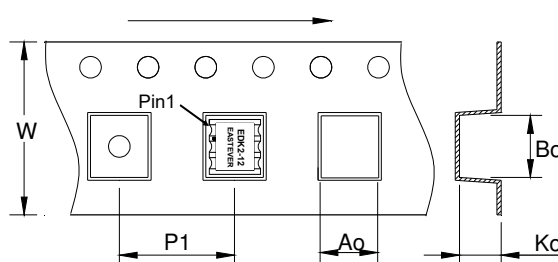
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Insertion Loss	0.5-5MHz	dB	—	0.2	0.4
	5-200MHz			0.3	0.6
	200-400MHz			0.5	1.0
Amplitude Unbalance	0.5-5MHz	dB	—	—	0.1
	5-200MHz				0.2
	200-400MHz				0.3
Phase Unbalance	0.5-5MHz	°	—	—	1.0
	5-200MHz				2.0
	200-400MHz				3.0
Isolation	0.5-5MHz	dB	20	25	—
	5-200MHz		20	25	
	200-400MHz		20	25	



Carrier Tape Orientation



Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	1000
Reel Size	mm	330
Tape Width	mm	16.00
Pitch	mm	12.00
Ao	mm	7.00
Bo	mm	8.10
Ko	mm	5.50