

Power Splitter/Combiner

EDK4-10-B095331

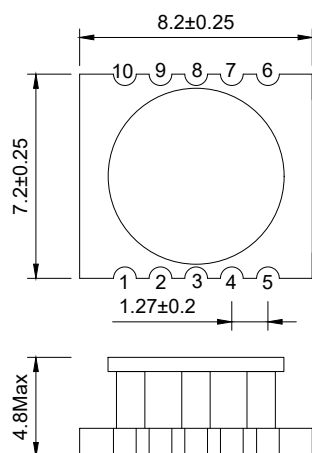
2026-07-27 Rev. 1



50Ω 4 Way-0° Power Divider

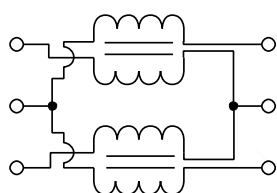
1-400MHz

Outline Drawing(mm)

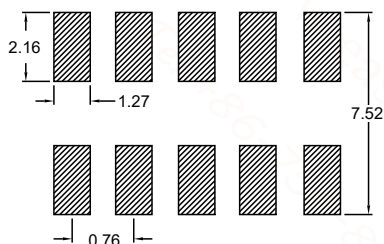


Electrical Structure

Fig K



Recommended Layout(mm)



Electrical Schematic



Pin Connections

SUM PORT	3
PORT 1	10
PORT 2	9
PORT 3	7
PORT 4	6
GROUND	1,2,4,5,8

Features

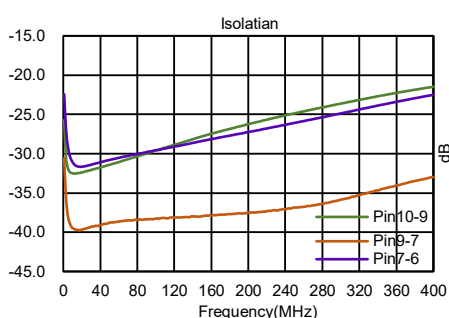
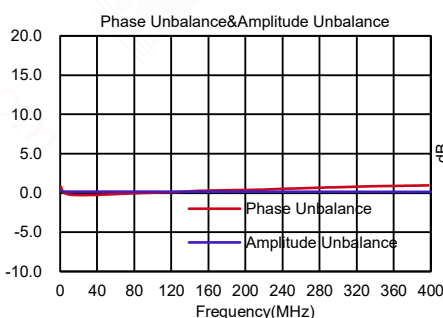
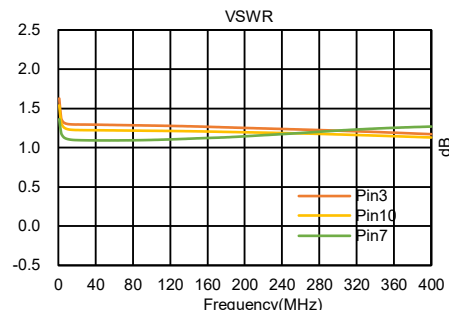
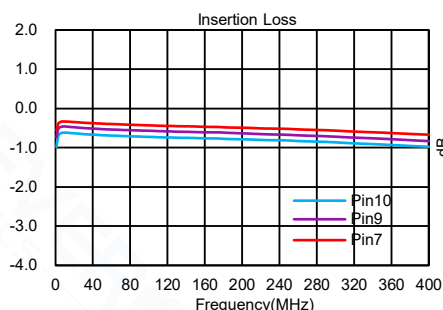
- Input Power: 500mW Max
- DC Current: 100mA Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

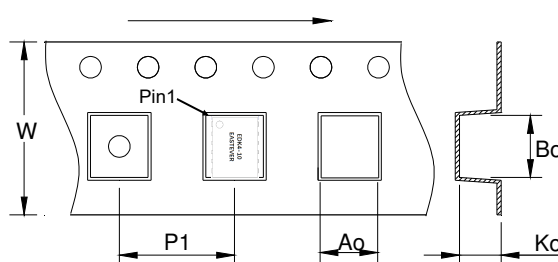
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Insertion Loss	1-10MHz	dB	—	0.4	1.2
	10-200MHz			0.6	1.2
	200-400MHz			1.0	1.5
Amplitude Unbalance	1-10MHz	dB	—	0.1	0.2
	10-200MHz			0.2	0.3
	200-400MHz			0.2	0.5
Phase Unbalance	1-10MHz	°	—	0.5	1.0
	10-200MHz			1.0	4.0
	200-400MHz			2.0	9.0
Isolation	1-10MHz	dB	22	32	—
	10-200MHz		18	26	
	200-400MHz		17	21	



Carrier Tape Orientation



Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	1000
Reel Size	mm	330
Tape Width	mm	12.00
Pitch	mm	12.00
Ao	mm	7.50
Bo	mm	8.50
Ko	mm	4.80