

Power Splitter/Combiner

EDF0252-C008931

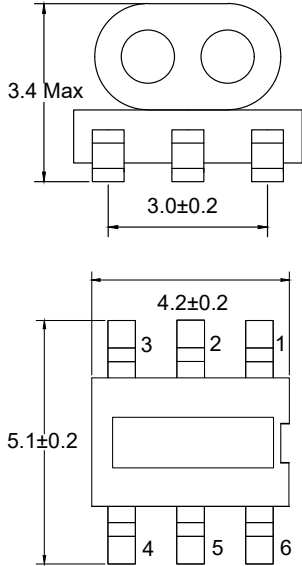
2024-09-28 Rev. 0



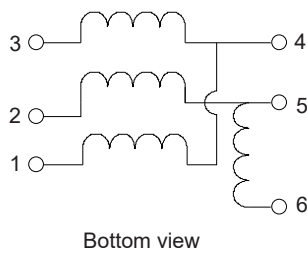
50Ω 2 Way-0° Power Divider

5-1000MHz

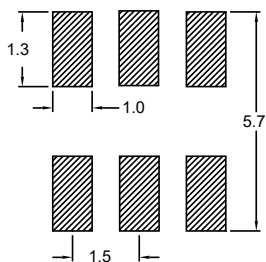
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

IN	3
OUT	4
BR	6
GROUND	1,2
External 50 Ω	5

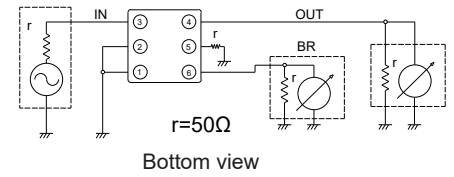
Features

- RF Power, 0.25W Max
- DC Current, 30mA Max
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free

Applications

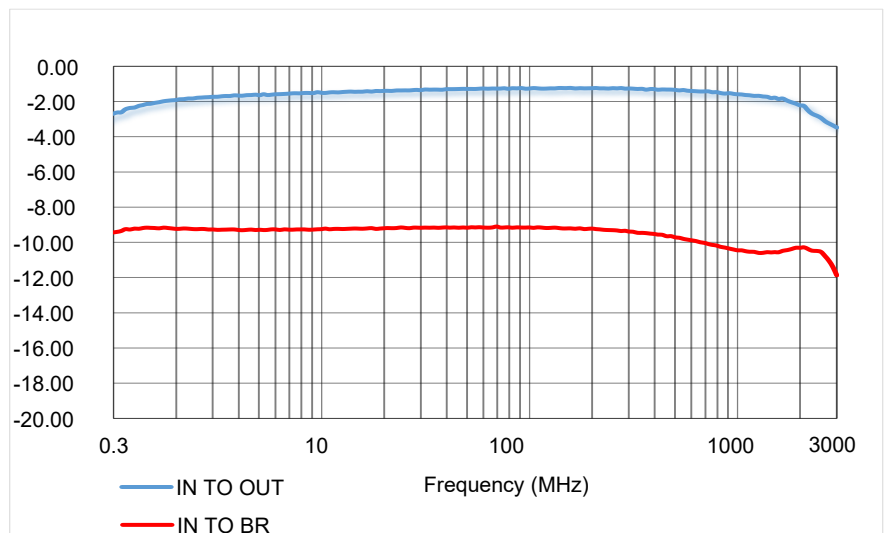
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

Electrical schematic

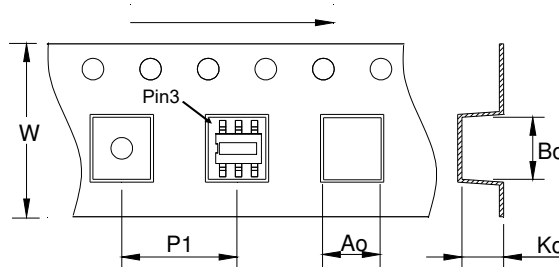


Electrical Specifications:TA=25℃, 0dBm, Z0=50Ω

Item	Subject	Specifications(A)	Specifications(A)	Note	
Insertion Loss	10MHz	3.0dB max	Initial ± 1.5dB	SPEC A is Initial valuc.	
	50MHz	3.0dB max	Initial ± 1.5dB		
	100MHz	3.0dB max	Initial ± 1.5dB		
	IN TO OUT	500MHz	3.0dB max	Initial ± 2.0dB	SPEC B is permissible value or changes after environmental test.
		1000MHz	3.0dB max	Initial ± 2.0dB	
IN TO BR	10MHz	10.0±2.5dB	Initial ± 1.5dB		
	50MHz	10.0±2.5dB	Initial ± 1.5dB		
	100MHz	10.0±2.5dB	Initial ± 1.5dB		
	500MHz	10.0±2.5dB	Initial ± 2.0dB		
	1000MHz	11.5±3.5dB	Initial ± 2.0dB		



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