

Power Splitter/Combiner

EDF1710-A008931

2024-05-29 Rev. 0

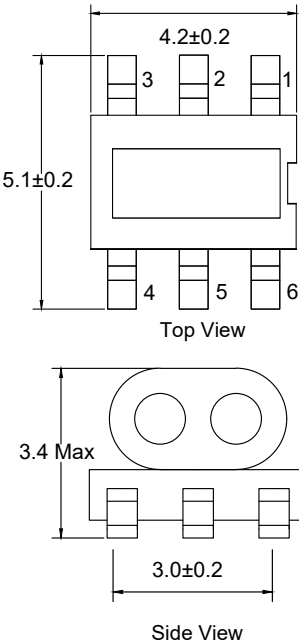


50Ω 2 Way-0° Power Divider

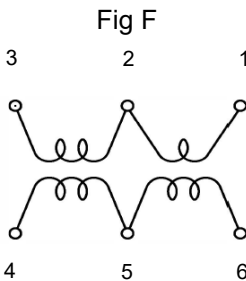
5-1000MHz

Equivalent to: B4F #617DS-1710=P3

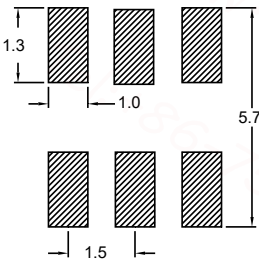
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

SUM PORT	1
PORT 1	6
PORT 2	4
Ground	3
External 2.0 pF Capacitor	2.5

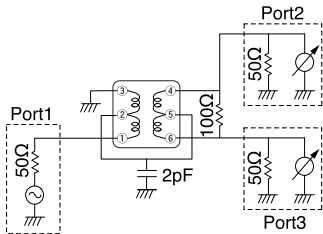
Features

- Input Power: 0.25W 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

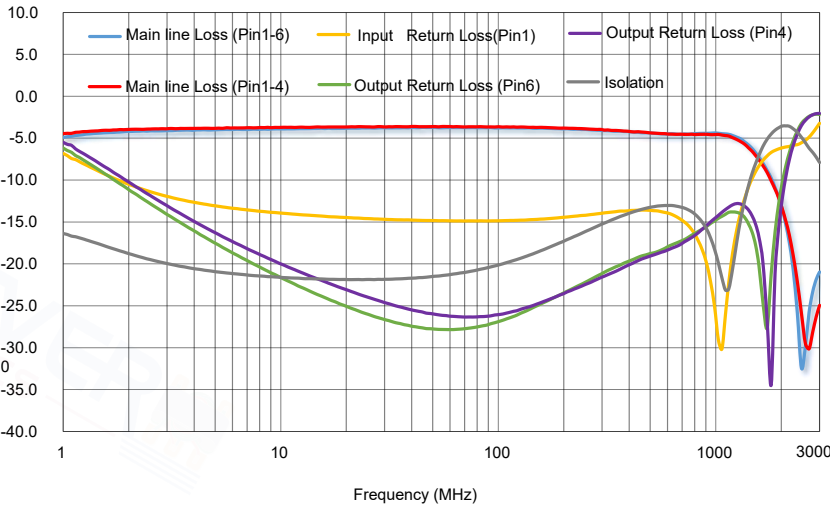
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

Test Circuit(Bottom View)

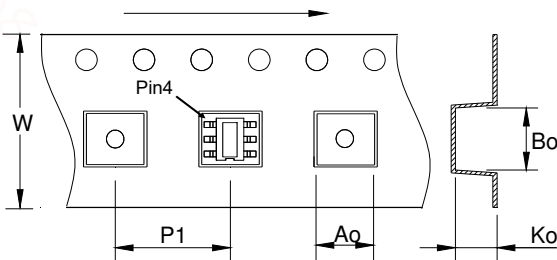


Electrical Specifications: TA=25°C, 0dBm, Z0=50Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin1-6)	5-1000MHz	dB	—	0.8	1.2
Main line Loss (Pin1-4)	5-1000MHz	dB	—	0.8	1.2
Input Return Loss(Pin1)	5-1000MHz	dB	14.0	16.0	—
Output Return Loss (Pin6)	5-1000MHz	dB	16.0	20.0	—
Output Return Loss (Pin4)	5-1000MHz	dB	16.0	20.0	—
Isolation	5-1000MHz	dB	14.0	18.0	—



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	5.70
Bo	mm	4.50
Ko	mm	3.60