

Power Splitter/Combiner

EDD1010-C032501

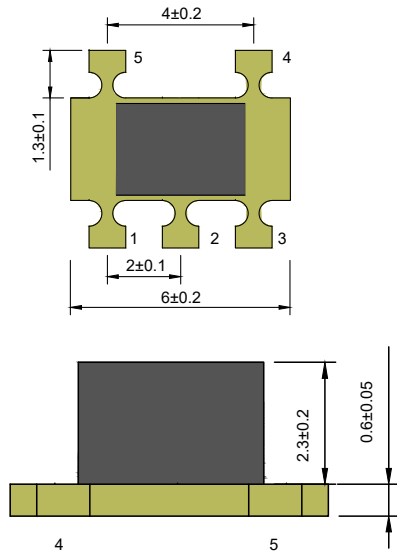
2024-01-03 Rev. 0



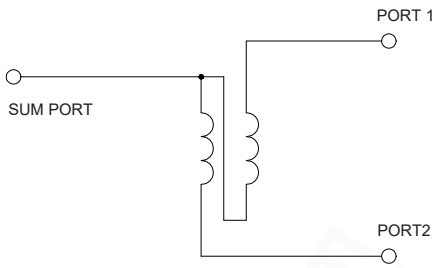
50Ω 2 Way-0° Power Divider

5-1250MHz

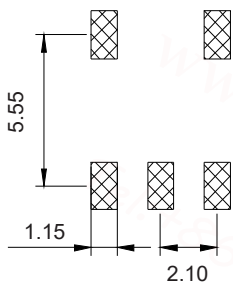
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

SUM PORT	2
PORT 1	5
PORT 2	4
Not Connected	1,3

Features

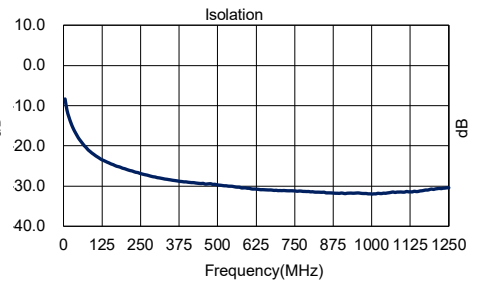
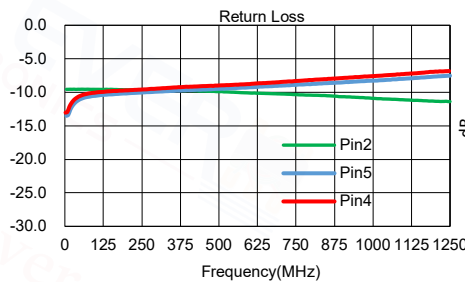
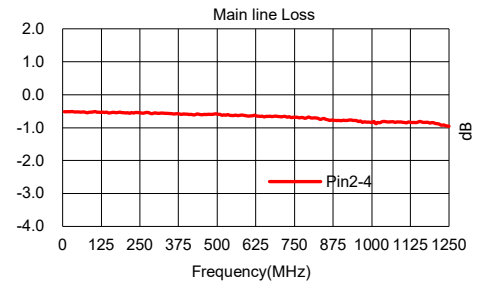
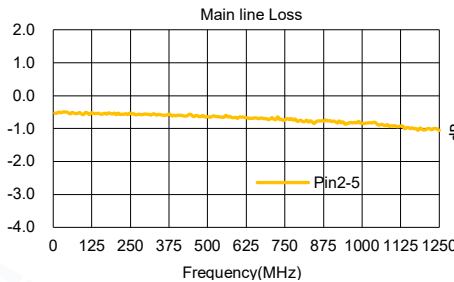
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free
- Input Power: 0.5W
- DC Current: 0.5A

Applications

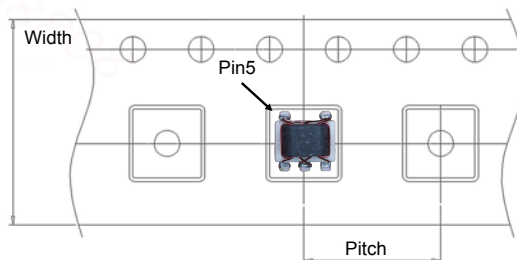
- For catv
- For broadband and wireless communications

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin2-5)	5-1250MHz	dB	—	1.0	1.3
Main line Loss (Pin2-4)	5-1250MHz	dB	—	1.0	1.3
Input Return Loss Pin2	5-1250MHz	dB	8.0	12.0	—
Output Return Loss Pin5	5-1250MHz	dB	7.0	8.0	—
Output Return Loss Pin4	5-1250MHz	dB	7.0	8.0	—
Isolation	5-1250MHz	dB	10.0	30.0	—



Carrier Tape Orientation



Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	1500
Reel Size	mm	330
Tape Width	mm	12.00
Pitch	mm	12.00
Ao	mm	6.40
Bo	mm	6.00
Ko	mm	3.20