

# Power Splitter/Combiner

## EDL2-42-B012571

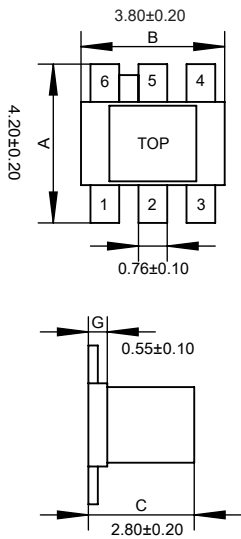
2021-03-05 Rev. 0



50Ω 2 Way-0° Power Divider

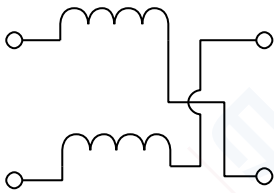
5-4200MHz

### Outline Drawing(mm)

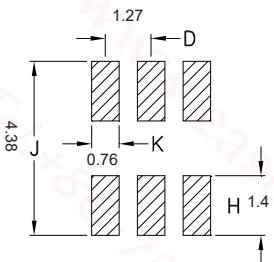


### Electrical structure

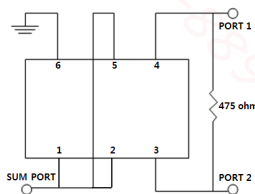
Fig L



### Recommended layout(mm)



### electrical schematic



### Pin Connections

|               |       |
|---------------|-------|
| SUM PORT      | 1,2,5 |
| PORT 1        | 3     |
| PORT 2        | 4     |
| Not connected | 6     |

### Features

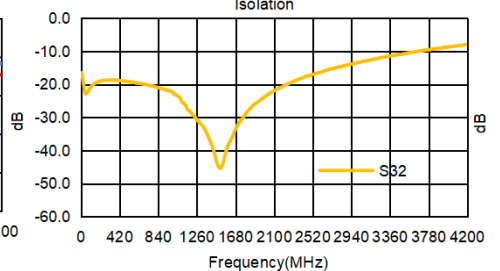
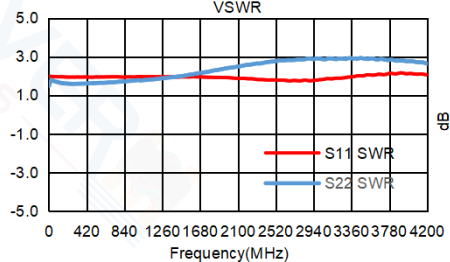
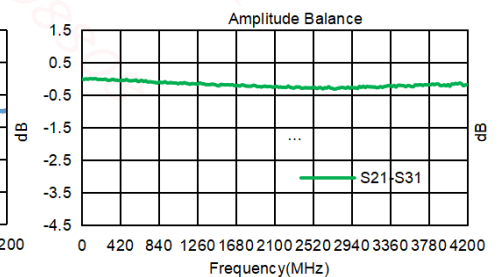
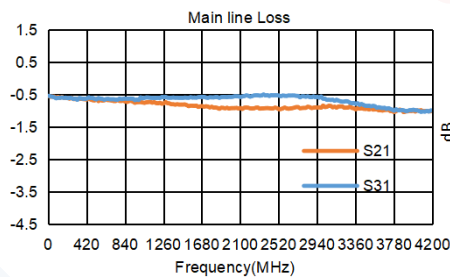
- Operating temperature range: -40 °C to +85 °C
- Storage temperature range: -55 °C to +100 °C
- 260°C Reflow Compatible
- RoHS compliant and lead free

### Applications

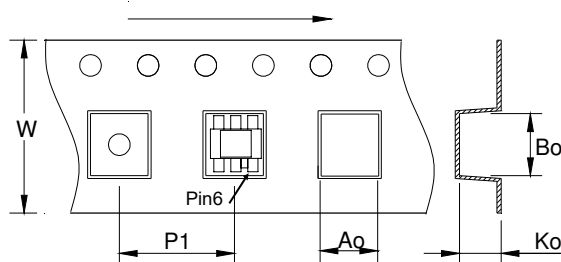
- For catv
- For broadband and wireless communications

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

| Parameter               | Test Conditions | Units | Min | Typ  | Max |
|-------------------------|-----------------|-------|-----|------|-----|
| Main line Loss (Pin1-3) | 5-4200MHz       | dB    | —   | 1.0  | 2.0 |
| Main line Loss (Pin1-4) | 5-4200MHz       | dB    | —   | 1.0  | 2.0 |
| VSWR S11                | 5-4200MHz       | dB    | —   | 1.5  | 2.0 |
| VSWR S22                | 5-4200MHz       | dB    | —   | 3.0  | 3.5 |
| Amplitude Unbalance     | 5-4200MHz       | dB    | —   | 0.2  | 0.8 |
| Isolation               | 5-4200MHz       | dB    | 8.0 | 16.0 | —   |



### 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    | 4.50  |
| Bo           | mm    | 4.50  |
| Ko           | mm    | 3.20  |

