



TECHNICAL BULLETIN

2 Ways 1 - 18 GHz Power Splitter

E15131-01-05

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Features

- Ultra-Wideband Power Splitter/Combiner
- Very low amplitude and phase mismatching
- Very low Insertion loss
- Small dimensions

Typical Applications

- Telecom Infrastructure
- Test Equipment
- Military & SatCom

Performances

| Parameter | Units | Min | Typ | Max | Remarks |
|---------------------------|-------|-----|-----|-------|--|
| Frequency range | GHz | 0.5 | | 18 | Full performances: 1 ÷ 18 GHz |
| Number of channels | | | 2 | | |
| Operation Mode | | | | | CW/Pulse |
| Input Level (Common port) | W | | | 4 | |
| Insertion loss | dB | | | 4.3 | IL max around 17 ÷ 18 GHz |
| Insertion loss unbalance | dB | | | ± 0.4 | |
| Phase unbalance | Deg | | | ± 8 | |
| Return loss | dB | 12 | | | 10 dB Min @ 0.5 ÷ 1 GHz |
| Amplitude tracking | dB | | | 0.5 | With respect to a Golden device or inside an ordered set of devices. |
| Phase tracking | Deg | | | 5 | With respect to a Golden device or inside an ordered set of devices. |
| Isolation 1 - 2 GHz | dB | 10 | | | 7 dB Min @ 0.5 ÷ 1 GHz |
| Isolation 2 - 18 GHz | dB | 15 | | | |
| Operating Temp. range | °C | -55 | | +55 | Operating to -55 ÷ +85 °C |
| Storage Temp. range | °C | -55 | | +85 | |
| Humidity | % | | | 95 | |
| RF connectors | | | | | Sma F |
| Weight | g | | | 50 | |
| Dimensions | | | | | See outline |
| Treatment | | | | | Matt black |

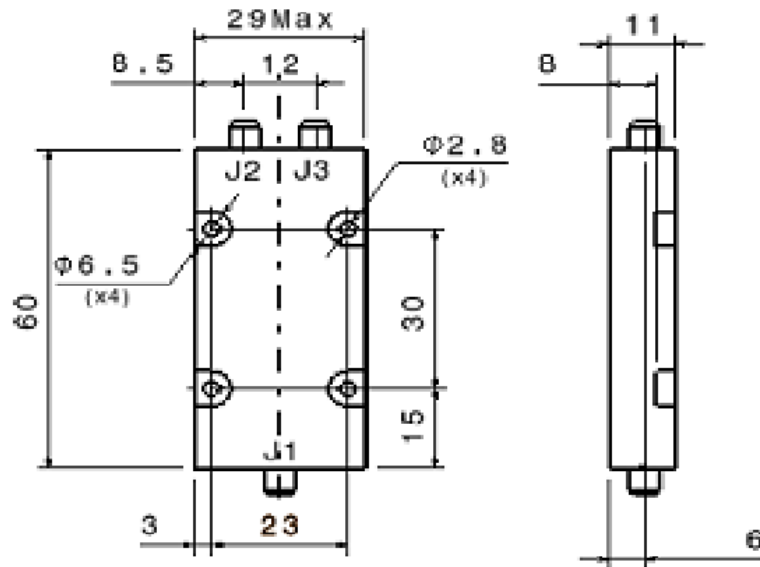
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Outline Drawing



Dimensions in mm

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