

3-way Reactive Power Splitter

5501.31.0030

Properties

- 3-way power splitter splits high power signals in the 380–690 MHz bands with the 690–2700 MHz bands with minimal losses
- -161 dBc PIM @ 2x43 dBm
- 300 W power handling
- 4.3-10 female interfaces
- IP67 rating



Ports

| Port designation | Interface | Gender |
|------------------|-----------|---------------|
| Input 1 | 4.3-10 | jack (female) |
| Output 1 | 4.3-10 | jack (female) |
| Output 2 | 4.3-10 | jack (female) |
| Output 3 | 4.3-10 | jack (female) |

Electrical bands

| | Signal band 1 | Signal band 2 |
|----------------------------|----------------------|---------------------|
| Frequency range | 0.38 GHz ... 0.69GHz | 0.69 GHz ... 2.7GHz |
| Return loss input port | 17.6 dB | 19 dB |
| Splitter loss | 4.8 dB | 4.8 dB |
| Insertion loss | 0.1 dB | 0.1 dB |
| Composit power max | 300 W | 300 W |
| Peak envelope power | 3000 W | 3000 W |
| Intermodulation distortion | -161 dBc | -161 dBc |
| @ 2 x carrier power | 43 dBm | 43 dBm |

Electrical Data (impedance)

| | |
|--------------------------|------|
| Characteristic impedance | 50 Ω |
|--------------------------|------|

Mechanical data

| | |
|--|-------------------------|
| Weight | 0.85 kg |
| Width | 287.9 mm |
| Height | 23 mm |
| Depth | 32 mm |
| Housing material and surface treatment | Aluminium / Black paint |

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| Environmental data | |
|--------------------------------|-----------------|
| Environment (application) | Indoor/Outdoor |
| Operation temperature | -40 °C ... 85°C |
| Storage temperature | -40 °C ... 85°C |
| Transport temperature | -40 °C ... 85°C |
| Ingress protection (IP Rating) | IP67 |

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