

Tapper 10 dB

5501.31.0010

Properties

- The innovative asymmetric design ensures an excellent input VSWR and coupling flatness across the band
- The lightweight design allows easy attachment to a wall using the supplied bracket
- Designed with only a few solder joints and an air dielectric, loss is minimized and reliability enhanced
- It supports public safety and cellular bands, as well as Wi-Fi 2.4



Ports

| Port designation | Interface | Gender |
|-------------------|-----------|---------------|
| Main line in | 4.3-10 | jack (female) |
| Main line out | 4.3-10 | jack (female) |
| Tap port, 10.0 dB | 4.3-10 | jack (female) |

Electrical bands

| | Band 1 | Band 2 | Band 3 |
|----------------------------|--------------------|----------------------|----------------------|
| Frequency range | 350 MHz ... 960MHz | 1710 MHz ... 1800MHz | 1800 MHz ... 2700MHz |
| Return loss | ≥ 20.8 dB | ≥ 17.6 dB | ≥ 20.8 dB |
| Tapp loss | 10 dB | 10 dB | 10 dB |
| Insertion loss | ≤ 0.4 dB | ≤ 0.4 dB | ≤ 0.4 dB |
| Composit power max | 300 W | 300 W | 300 W |
| Peak envelope power | 2000 W | 2000 W | 2000 W |
| Intermodulation distortion | ≤ -161 dBc | ≤ -161 dBc | ≤ -161 dBc |
| @ 2 x carrier power | 43 dBm | 43 dBm | 43 dBm |

Electrical Data (impedance)

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

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Mechanical data

| | |
|--|-------------------------|
| Weight | 0.42 kg |
| Width | 89 mm |
| Height | 32 mm |
| Depth | 32 mm |
| Housing material and surface treatment | Aluminium / Black paint |

Environmental data

| | |
|--------------------------------|------------------|
| Environment (application) | Indoor/Outdoor |
| Operation temperature | -40 °C ... 75 °C |
| Storage temperature | -40 °C ... 75 °C |
| Transport temperature | -40 °C ... 75 °C |
| Ingress protection (IP Rating) | IP67 |

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