PRODUCT DATASHEET

# PDS2DE-380/2700-01

2 Way Power Divider

This PDS*DE series are Power Splitters, designed to evenly split high power cellular signals with minimal reflections or loss. They are specified to cover 380- 2700 MHz.
The wide frequency range allows to use these splitters for multiband wireless Distributed Antenna Systems (DAS) or in combination with RADIAFLEX® radiating cable products. With few solder joints and an air dielectric, the loss is minimal and reliability enhanced.

The example image shown a 2 Way Power Divider

FEATURES / BENEFITS

- **Multiple-Band Frequency Ranges**
- **500 Watt Power Rating**
- **High Reliability**
- **Low Cost Design for ease of mounting**
- **7-16 DIN-female Connectors**

## Technical features

### STRUCTURE

| | | |
|---|---|---|
| **Product Type** | | Power Divider |
| **Techn. Application** | | Indoor |
| **Number of Input Ports** | | 1 |
| **Number of Output Ports** | | 2 |
| **Connectors** | | 7-16 female |

### ELECTRICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Frequency Range** | MHz | 380 - 2700 |
| **Impedance** | Ohm | 50 |
| **Max. Insertion Loss** | dB | 3.4 |
| **Max. VSWR / Return Loss, dB** | VSWR/dB | 1.3 / 17.7 |
| **Intermodulation (IM3)** | | -150 dBc with 2x43 dBm tones |
| **Total Input Power** | W | 500 |
| **RF Peak Power** | kW | 1000 |

### TEMPERATURE SPECIFICATIONS

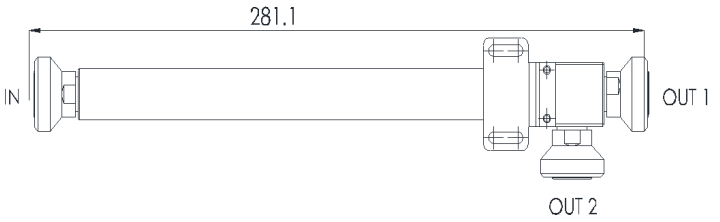
| | | |
|---|---|---|
| **Temperature Range** | °C (°F) | -25 to +65 (-13 to +149) |

### MECHANICAL SPECIFICATIONS

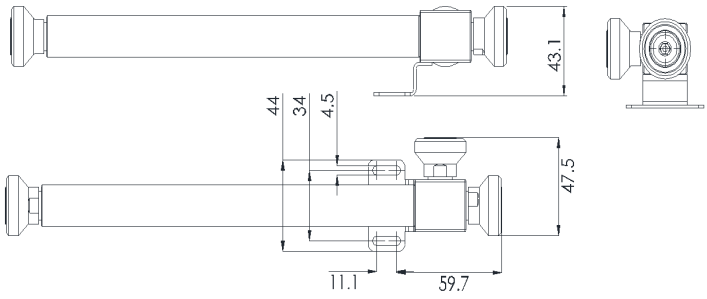
| | | |
|---|---|---|
| **Height (Less Connectors)** | mm (in) | 43.1 (1.7) |
| **Width (Less Connectors)** | mm (in) | 47.5 (1.87) |
| **Length (Less Connectors)** | mm (in) | 281.1 (11.07) |
| **Weight** | kg (lb) | 0.35 (0.772) |

### TESTING AND ENVIRONMENTAL

| | | |
|---|---|---|
| **Environmental Class** | | IP65 |




Dimensions in mm




External Document Links

Notes