



RFS PDS\*-43 series Power Splitters have been designed for a variety of wireless applications in the frequency band from 694 to 3800MHz. The units evenly split and distribute wireless signals with minimal reflections or loss. The broad frequency range and outstanding PIM rating is ideally suited for multi-band distributed antenna systems or in combination with RADIAFLEX® radiating cables.

### Features / Benefits

- **4.3-10-female interfaces**
- **PIM optimized design (160dBc @ 2x43dBm)**
- **Ideal for all kind of DAS applications**
- **Low insertion loss**
- **High power handling**
- **Small size, Low weight**

## Technical Features

### STRUCTURE

|                        |               |
|------------------------|---------------|
| Product Type           | Power Divider |
| Number of Input Ports  | 1             |
| Number of Output Ports | 6             |
| Connectors             | 4.3-10-female |

### ELECTRICAL SPECIFICATIONS

|                       |                              |
|-----------------------|------------------------------|
| Frequency Range       | 694 - 3800 MHz               |
| Impedance             | 50 $\Omega$                  |
| Split Loss            | 8.6 dB                       |
| Intermodulation (IM3) | -160 dBc with 2x43 dBm tones |
| Total Input Power     | 400 W                        |

### TEMPERATURE SPECIFICATIONS

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

### MECHANICAL SPECIFICATIONS

|                          |                 |
|--------------------------|-----------------|
| Height (Less Connectors) | 50mm (1.97in)   |
| Width (Less Connectors)  | 71.8mm (2.83in) |
| Length (Less Connectors) | 345mm (13.58in) |

### TESTING AND ENVIRONMENTAL

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