PRODUCT DATASHEET

# PDS3-43-555/6000

3-way Broadband Power Splitter for Wireless & Indoor Application, Support 555-6000MHz

## PRODUCT DESCRIPTION

RFS Technologies PDS*-43 series Power Splitters have been designed for a variety of wireless applications in the frequency band from 555 to 6000MHz. 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

- **Broadband 555MHz-6000MHz**
- 4.3-10-female interfaces
- PIM optimized design (163dBc @ 2x43dBm)
- Ideal for all kind of DAS applications
- Low insertion loss
- High power handling
- Small size, low weight

# TECHNICAL FEATURES

## ELECTRICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Frequency Range** | MHz | 555-6000 |
| **Power Rating** | W | 300 |
| **PIM 3rd @2*43 dBm** | dBc | 163 |
| **Input Impedance** | Ohm | 50 |

## MECHANICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Connectors** | | 4.3-10 Female |
| **Temperature Range** | °C | -25 to +65 (+160 for 2hours in an event of fire, encased in DragonSkin Cabinet) |
| **IP Level** | | IP66 |
| **RoHS** | | Compliant |



All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

# PDS3-43-555/6000

3-way Broadband Power Splitter for Wireless & Indoor Application, Support 555-6000MHz

## MODEL NUMBER SPECIFICATIONS

| Model Number | | PDS2-43-555/6000 | PDS3-43-555/6000 | PDS4-43-555/6000 |
|---|---|---|---|---|
| Number of Input Ports | | 1 | | |
| Number of Output Ports | | 2 | 3 | 4 |
| VSWR | | 1.25@555–4900MHz<br>1.3:1@4900–6000MHz | 1.25@555–4900MHz<br>1.3:1@4900–6000MHz | 1.25@555–3800MHz<br>1.3:1@3800–6000MHz |
| Split Loss | dB | 3 | 4.8 | 6.0 |
| Insertion Loss | dB | 0.2dB@555–2700MHz<br>0.35dB@2700–6000MHz | 0.2dB@555-2700MHz<br>0.45dB@2700-4900MHz<br>0.9@4900-6000MHz | 0.3dB@555-2700MHz<br>0.55dB@2700-3800MHz<br>0.75dB@3800-4900MHz<br>1.45@4900-6000MHz |
| Dimensions, L*W*H | mm (in) | 270*66*25<br>(10.63*2.60*0.98) | 205*65*46<br>(8.07*2.56*1.81) | 254*66*45<br>(10*2.60*1.77) |
| Net Weight, ±10% | kg (lb) | 0.43 (0.95) | 0.36 (0.79) | 0.455 (1) |

### External Document Links

LINK to VEX FILES

### Notes



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