PRODUCT DATASHEET

PDS-E 6GHz Power Splitter Series with N-Female Connector

Broadband Power Splitter for Wireless & Indoor Application, Support 555-6000MHz with 2-way, 3-way and 4-way

PRODUCT DESCRIPTION

RFS Technologies PDSE 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**
- N-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

ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	555-6000
Power Rating	W	300
PIM 3rd @2*43 dBm	dBc	160
Input Impedance	Ohm	50

MECHANICAL SPECIFICATIONS

Connectors		N 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

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MODEL NUMBER SPECIFICATIONS

Model Number		PDS2E-555/6000	PDS3E-555/6000	PDS4E-555/6000
Number of Input Ports		1		
Number of Output Ports		2	3	4
VSWR		1.25@555–4900MHz 1.3:1@4900–6000MHz	1.25@555–4900MHz 1.3:1@4900–6000MHz	1.25@555–3800MHz 1.3:1@3800–6000MHz
Split Loss	dB	3	4.8	6.0
Insertion Loss	dB	0.2dB@555–2700MHz 0.35dB@2700–6000MHz	0.2dB@555-2700MHz 0.45dB@2700-4900MHz 0.9@4900-6000MHz	0.3dB@555-2700MHz 0.55dB@2700-3800MHz 0.75dB@3800-4900MHz 1.45@4900-6000MHz
Dimensions, L*W*H	mm (in)	270*66*25 (10.63*2.60*0.98)	205*65*46 (8.07*2.56*1.81)	254*66*45 (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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