



PDS-43 6GHz Power Splitter Series

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



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Technical Features

PRODUCT DESCRIPTION

RFS 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

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 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