PRODUCT DATASHEET

PDS3DE-380/2700-01

3 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 3 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		3
Connectors		7-16 female

ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	380 - 2700
Impedance	Ohm	50
Max. Insertion Loss	dB	5.2
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)

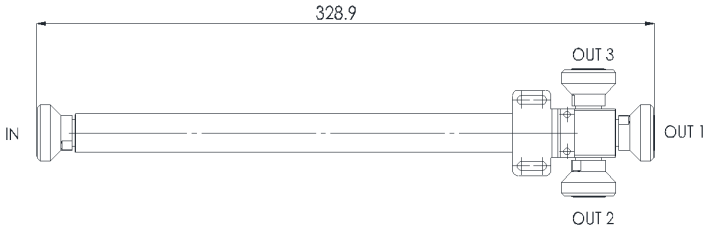
MECHANICAL SPECIFICATIONS

Height (Less Connectors)	mm (in)	43.1 (1.7)
Width (Less Connectors)	mm (in)	66 (2.6)
Length (Less Connectors)	mm (in)	328.9 (12.95)

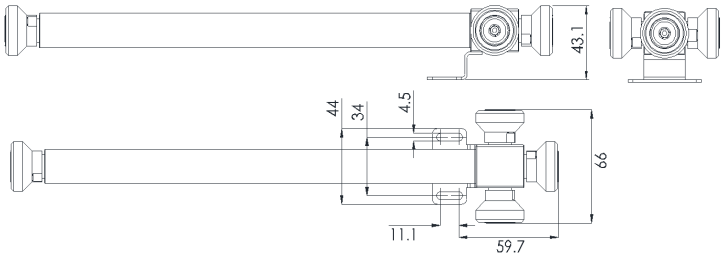
TESTING AND ENVIRONMENTAL

Environmental Class		IP65

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



Dimensions in mm



External Document Links

Notes

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