Data Sheet

HUBER+SUHNER

3-way reactive power splitter
5501.17.0031

Reactive Splitter

Description

This 3-way power splitters have been designed to evenly split high power signals operating in security, cellular and 2.4 GHz WiFi bands with minimal reflections or loss. All joints are moisture sealed with O-rings to meet IP67.
The mechanical shape allows easy attachment to wall using the supplied clips. The wide frequency range allows use with multiband antennas and leaky cable systems. With few solder joints and an air dielectric, the loss has been minimized and reliability enhanced.

Technical Data

Electrical Data

	Signal Band 1
Frequency	0.38 - 2.7 GHz
Return Loss input port	19 dB
Splitter Loss	4.8 dB
Insertion Loss	0.1 dB
Ampl. tra. betw. outp. ports	0.3 dB
Max. Composite Power	300 W
Intermodulation distortion	-155 dBc
@ 2 x Carrier Power	43 dBm

	Input 1
Connector Type	N
Connector Gender	jack (female)

	Output 1	Output 2	Output 3
Connector Type	N	N	N
Connector Gender	jack (female)	jack (female)	jack (female)

Char. impedance	50 Ω

Mechanical Data

Dimensions	28.5 x 28.5 x 262 mm (Heigth x Width x Length)
Weight	0.37 kg

Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature	-35 °C to 85 °C
Storage temperature	-35 °C to 85 °C
Transport temperature	-35 °C to 85 °C
IP rating	IP67
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant

Material Data

Piece Parts	Material	Surface Plating

Related Documents

Outline drawing	DOU-00288930
3D-model (Step)	DOC-0000689436

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