# **Data Sheet**



# 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 O		

higher PIM performance can be ordered

### **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)

# **Related Documents**

 Outline drawing
 DOU-00288930

 3D-model (Step)
 DOC-0000689436

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