

## 2-way reactive power splitter 5501.41.0030

### Reactive Splitter

#### Description

This 2-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                | 3 dB           |
| Insertion Loss               | 0.1 dB         |
| Ampl. tra. betw. outp. ports | 0.3 dB         |
| Max. Composite Power         | 500 W          |
| Intermodulation distortion   | -155 dBc       |
| @ 2 x Carrier Power          | 43 dBm         |

|                  | Input 1       |
|------------------|---------------|
| Connector Type   | 7/16          |
| Connector Gender | jack (female) |

|                  | Output 1      | Output 2      |
|------------------|---------------|---------------|
| Connector Type   | 7/16          | 7/16          |
| Connector Gender | jack (female) | jack (female) |

|                 |      |
|-----------------|------|
| Char. impedance | 50 Ω |
|-----------------|------|

##### Mechanical Data

|            |                                                |
|------------|------------------------------------------------|
| Dimensions | 28.5 x 28.5 x 267 mm (Height x Width x Length) |
| Weight     | 0.41 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-00288960   |
| 3D-model (Step) | DOC-0000689471 |

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