

## 3-way reactive power splitter 5501.31.0030

### Reactive Splitter

#### Description

This 3-way power splitter has been designed to evenly split high power signals operating in UHF, cellular and 2.4 GHz WiFi bands with minimal reflections or loss.

The mechanical shape allows easy attachment to wall using the supplied clips.



#### Technical Data

##### Electrical Data

|                            | Signal Band 1   | Signal Band 2  |
|----------------------------|-----------------|----------------|
| Frequency                  | 0.38 - 0.69 GHz | 0.69 - 2.7 GHz |
| Return Loss input port     | 17.6 dB         | 19 dB          |
| Splitter Loss              | 4.8 dB          | 4.8 dB         |
| Insertion Loss             | 0.1 dB          | 0.1 dB         |
| Max. Composite Power       | 300 W           | 300 W          |
| Peak Envelope Power        | 3000 W          | 3000 W         |
| Intermodulation distortion | -161 dBc        | -161 dBc       |
| @ 2 x Carrier Power        | 43 dBm          | 43 dBm         |

|                  | Input 1       |
|------------------|---------------|
| Connector Type   | 4.3-10        |
| Connector Gender | jack (female) |

|                  | Output 1      | Output 2      | Output 3      |
|------------------|---------------|---------------|---------------|
| Connector Type   | 4.3-10        | 4.3-10        | 4.3-10        |
| Connector Gender | jack (female) | jack (female) | jack (female) |

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

##### Mechanical Data

|            |                                              |
|------------|----------------------------------------------|
| Dimensions | 23 x 287.9 x 32 mm (Height x Width x Length) |
| Weight     | 0.85 kg                                      |

##### Environmental Data

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Environmental conditions                             | indoor/outdoor  |
| Operation temperature                                | -40 °C to 85 °C |
| Storage temperature                                  | -40 °C to 85 °C |
| Transport temperature                                | -40 °C to 85 °C |
| IP rating                                            | IP67            |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant       |

##### Related Documents

|                 |              |
|-----------------|--------------|
| Outline drawing | DOU-00319326 |
|-----------------|--------------|