

# S-3-UW-H-NI6

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Ultra Wideband Three-way Low PIM Reactive High Power Splitter,  
555–6000 MHz



## Product Classification

**Product Type** Coaxial splitter

## General Specifications

**Device Type** Splitter  
**Application** Indoor/Outdoor  
**Color** White  
**Inner Contact Plating** Silver  
**Interface** N Female  
**Outer Contact Plating** Trimetal

## Dimensions

**Height** 43 mm | 1.693 in  
**Width** 61 mm | 2.402 in  
**Length** 202 mm | 7.953 in

## Electrical Specifications

**3rd Order IMD** -163 dBc  
**3rd Order IMD Test Method** Two +43 dBm carriers  
**Insertion Loss at Frequency Band** 0.2 dB @ 555–2700 MHz | 0.4 dB @ 2700–3800 MHz | 0.45 dB @ 3800–4900 MHz | 0.9 dB @ 4900–6000 MHz  
**Return Loss, minimum** 19.1 dB  
**Average Power, maximum** 300 W  
**Impedance** 50 ohm  
**Operating Frequency Band** 555 – 6000 MHz  
**Peak Power, maximum** 3 kW

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<b>Power Rating, Splitting</b>	300 W
<b>Reflected Power, maximum</b>	300 W
<b>Split Loss</b>	4.8 dB
<b>VSWR</b>	1.25

## Mechanical Specifications

<b>Coupling Nut Proof Torque</b>	4.5 N-m   39.828 in lb
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## Environmental Specifications

<b>Operating Temperature</b>	-35 °C to +85 °C (-31 °F to +185 °F)
<b>Relative Humidity</b>	Up to 100%
<b>Corrosion Test Method</b>	IEC 60068-2-11, 30 days
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP67

## Packaging and Weights

<b>Height, packed</b>	52 mm   2.047 in
<b>Width, packed</b>	72 mm   2.835 in
<b>Length, packed</b>	250 mm   9.843 in
<b>Weight, gross</b>	0.45 kg   0.992 lb
<b>Weight, net</b>	0.37 kg   0.816 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

