

# H-3-UW-43-A16



## Low PIM Air Dielectric Hybrid Coupler, 555–6000 MHz

### Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Product Type</b>	Hybrid coupler

### General Specifications

<b>Device Type</b>	Hybrid
<b>Application</b>	Indoor/Outdoor
<b>Color</b>	White
<b>Inner Contact Plating</b>	Silver
<b>Interface</b>	4.3-10 Female
<b>Outer Contact Plating</b>	Trimetal

### Dimensions

<b>Height</b>	36 mm   1.417 in
<b>Width</b>	79 mm   3.11 in
<b>Length</b>	145 mm   5.709 in

### Electrical Specifications

<b>3rd Order IMD</b>	-165 dBc
<b>3rd Order IMD Test Method</b>	Two +43 dBm carriers
<b>Average Power, maximum</b>	200 W
<b>Coupling</b>	3.1 dB
<b>Coupling Tolerance</b>	±0.7dB @ 610-6000 MHz   ±1.1dB @ 555-610 MHz
<b>Impedance</b>	50 ohm
<b>Isolation Between Bands</b>	20 dB
<b>Operating Frequency Band</b>	555 – 6000 MHz
<b>Peak Power, maximum</b>	1 kW
<b>Reflected Power, maximum</b>	500 W

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**VSWR** 1.25

## Mechanical Specifications

**Coupling Nut Proof Torque** 7 N-m | 61.955 in lb

## Environmental Specifications

**Operating Temperature** -35 °C to +85 °C (-31 °F to +185 °F)

**Relative Humidity** Up to 100%

**Ingress Protection Test Method** IEC 60529:2001, IP67

## Packaging and Weights

**Height, packed** 60 mm | 2.362 in

**Width, packed** 105 mm | 4.134 in

**Length, packed** 170 mm | 6.693 in

**Weight, gross** 0.64 kg | 1.411 lb

**Weight, net** 0.57 kg | 1.257 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

