

H-3-UW-N-A16



Low PIM Air Dielectric Hybrid Coupler, 555–6000 MHz

Product Classification

| | |
|------------------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Product Type | Hybrid coupler |

General Specifications

| | |
|------------------------------|----------------|
| Device Type | Hybrid |
| Application | Indoor/Outdoor |
| Color | White |
| Inner Contact Plating | Silver |
| Interface | N Female |
| Outer Contact Plating | Trimetal |

Dimensions

| | |
|---------------|-------------------|
| Height | 36 mm 1.417 in |
| Width | 79 mm 3.11 in |
| Length | 145 mm 5.709 in |

Electrical Specifications

| | |
|----------------------------------|--|
| 3rd Order IMD | -163 dBc |
| 3rd Order IMD Test Method | Two +43 dBm carriers |
| Average Power, maximum | 200 W |
| Coupling | 3.1 dB |
| Coupling Tolerance | ±0.7dB @ 610-6000 MHz ±1.1dB @ 555-610 MHz |
| Impedance | 50 ohm |
| Isolation Between Bands | 20 dB |
| Operating Frequency Band | 555 – 6000 MHz |
| Peak Power, maximum | 1 kW |
| Reflected Power, maximum | 200 W |

H-3-UW-N-AI6

VSWR 1.25

Mechanical Specifications

Coupling Nut Proof Torque 4.5 N-m | 39.828 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

| Agency | Classification |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |