

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

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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