

H-3-UW-N-A16

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



Product Classification

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 ± 0.7 dB @ 610-6000 MHz | ± 1.1 dB @ 555-610 MHz
Impedance 50 ohm
Isolation Between Bands 20 dB
Operating Frequency Band 555 – 6000 MHz
Peak Power, maximum 1 kW

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Reflected Power, maximum 200 W

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

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system

