

H-3-UW-43-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	4.3-10 Female
Outer Contact Plating	Trimetal

Dimensions

Height	36 mm 1.417 in
Width	72 mm 2.835 in
Length	145 mm 5.709 in

Electrical Specifications

3rd Order IMD	-165 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

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Operating Frequency Band	555 – 6000 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	500 W
VSWR	1.25

Mechanical Specifications

Coupling Nut Proof Torque	7 N-m 61.955 in lb
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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
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted

