

H-3-CPUSE-43-A16

Low PIM Air Dielectric Hybrid Coupler, 555–e 2700 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 Silver
Inner Contact Plating Silver
Interface 4.3-10 Female
Outer Contact Plating Trimetal

Dimensions

Height 26 mm | 1.024 in
Width 85 mm | 3.346 in
Length 138 mm | 5.433 in

Electrical Specifications

3rd Order IMD -162 dBc
3rd Order IMD Test Method Two +43 dBm carriers
Insertion Loss at Frequency Band 0.2 dB @ 555–2700 MHz
Return Loss, minimum 20.8 dB
Average Power, maximum 200 W
Coupling 3.1 dB
Coupling Tolerance ± 0.6 dB @ 575–2700 MHz | ± 0.8 dB @ 555–575 MHz
Impedance 50 ohm

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Isolation at Frequency Band	25 dB @ 555–2700 MHz
Operating Frequency Band	555 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	200 W
VSWR	1.2

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, IP65

Packaging and Weights

Height, packed	50 mm 1.969 in
Width, packed	95 mm 3.74 in
Length, packed	180 mm 7.087 in
Weight, gross	0.65 kg 1.433 lb
Weight, net	0.57 kg 1.257 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

