

S-4-UW-H-43-16

Ultra Wideband Four-way Low PIM Reactive High Power Splitter,
555–6000 MHz



Product Classification

Product Type Coaxial splitter

General Specifications

Device Type Splitter
Application Indoor/Outdoor
Color White
Inner Contact Plating Silver
Interface 4.3-10 Female
Outer Contact Plating Trimetal

Dimensions

Height 45 mm | 1.772 in
Width 66 mm | 2.598 in
Length 254 mm | 10 in

Electrical Specifications

3rd Order IMD -165 dBc
3rd Order IMD Test Method Two +43 dBm carriers
Insertion Loss at Frequency Band 0.3 dB @ 555–2700 MHz | 0.55 dB @ 2700–3800 MHz | 0.75 dB @ 3800–4900 MHz | 1.4 dB @ 4900–6000 MHz
Return Loss, minimum 19.1 dB
Average Power, maximum 300 W
Impedance 50 ohm
Operating Frequency Band 555 – 6000 MHz
Peak Power, maximum 3 kW

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Power Rating, Splitting	300 W
Reflected Power, maximum	300 W
Split Loss	6 dB
VSWR at Frequency Band	1.25 @ 555–2700 MHz 1.25:1 @ 2700–3800 MHz 1.3:1 @ 3800–6000 MHz

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%
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Height, packed	55 mm 2.165 in
Width, packed	77 mm 3.031 in
Length, packed	315 mm 12.402 in
Weight, gross	0.47 kg 1.036 lb
Weight, net	0.39 kg 0.86 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

