H-3-TCPUSEW-N-AI6

Low PIM Air Dielectric Hybrid Coupler, 340–3800 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	37 mm | 1.457 in
Width	84.2 mm | 3.315 in
Length	220 mm | 8.661 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	±1.0dB
Impedance	50 ohm
Isolation at Frequency Band	22 dB @ 340–3800 MHz
Operating Frequency Band	340 – 3800 MHz
Peak Power, maximum	1 kW

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Reflected Power, maximum	200 W
VSWR at Frequency Band	1.2:1 @ 340–2700 MHz | 1.3:1 @ 2700–3800 MHz

Environmental Specifications

Operating Temperature	-25 °C to +85 °C (-13 °F to +185 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP65

Packaging and Weights

Height, packed	47 mm | 1.85 in
Width, packed	100 mm | 3.937 in
Length, packed	246 mm | 9.685 in
Weight, gross	0.93 kg | 2.05 lb
Weight, net	0.87 kg | 1.918 lb