

# H-3-TCPUSEW-N-AI6



Low PIM Air Dielectric Hybrid Coupler, 340–3800 MHz

This product will be discontinued on: October 14, 2024

Replaced By:

H-3-TCPUSEW-43-AI6 Low PIM Air Dielectric Hybrid Coupler, 340–3800 MHz

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Product Type</b>	Hybrid coupler

## General Specifications

<b>Device Type</b>	Hybrid
<b>Application</b>	Indoor/Outdoor
<b>Color</b>	White
<b>Inner Contact Plating</b>	Silver
<b>Interface</b>	N Female
<b>Outer Contact Plating</b>	Trimetal

## Dimensions

<b>Height</b>	37 mm   1.457 in
<b>Width</b>	84.2 mm   3.315 in
<b>Length</b>	220 mm   8.661 in

## Electrical Specifications

<b>3rd Order IMD</b>	-163 dBc
<b>3rd Order IMD Test Method</b>	Two +43 dBm carriers
<b>Average Power, maximum</b>	200 W
<b>Coupling</b>	3.1 dB
<b>Coupling Tolerance</b>	±1.0dB

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<b>Impedance</b>	50 ohm
<b>Isolation at Frequency Band</b>	22 dB @ 340–3800 MHz
<b>Operating Frequency Band</b>	340 – 3800 MHz
<b>Peak Power, maximum</b>	1 kW
<b>Reflected Power, maximum</b>	200 W
<b>VSWR at Frequency Band</b>	1.2:1 @ 340–2700 MHz   1.3:1 @ 2700–3800 MHz

## Environmental Specifications

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

## Packaging and Weights

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