

# H-3-TCPUSE-N-A16

Low PIM Air Dielectric Hybrid Coupler, 340–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** N Female  
**Outer Contact Plating** Trimetal

## Dimensions

**Height** 32 mm | 1.26 in  
**Width** 85 mm | 3.346 in  
**Length** 184 mm | 7.244 in

## Electrical Specifications

**3rd Order IMD** -160 dBc  
**3rd Order IMD Test Method** Two +43 dBm carriers  
**Insertion Loss at Frequency Band** 0.3 dB @ 340–2700 MHz  
**Return Loss, minimum** 20.8 dB  
**Average Power, maximum** 200 W  
**Coupling** 3.1 dB  
**Coupling Tolerance** ±0.9dB @ 380–2700 MHz | ±1.4dB @ 340–380 MHz  
**Impedance** 50 ohm

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<b>Isolation at Frequency Band</b>	23 dB @ 340–2700 MHz
<b>Operating Frequency Band</b>	340 – 2700 MHz
<b>Peak Power, maximum</b>	1 kW
<b>Reflected Power, maximum</b>	200 W
<b>VSWR</b>	1.2

## 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>	42 mm   1.654 in
<b>Width, packed</b>	100 mm   3.937 in
<b>Length, packed</b>	220 mm   8.661 in
<b>Weight, gross</b>	0.73 kg   1.609 lb
<b>Weight, net</b>	0.67 kg   1.477 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

