H-3-TCPUSEW-N-AI6



Product Classification

Low PIM Air Dielectric Hybrid Coupler, 340–3800 MHz

| Regional Availability Product Type | Asia Australia/New Zealand EMEA Latin America North America 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 |

Page 1 of 2

©2021 CommScope, Inc. All rights reserved. All trademarks identified by ® or [™] are registered trademarks, respectively, of CommScope. All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: August 31, 2021



H-3-TCPUSEW-N-AI6

| 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 |

Page 2 of 2

©2021 CommScope, Inc. All rights reserved. All trademarks identified by ® or [™] are registered trademarks, respectively, of CommScope. All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: August 31, 2021

