

# C-30-CPUSE-D-A16

30 dB, Air Directional Coupler, 555–2700 MHz



## OBSOLETE

This product was discontinued on: July 31, 2021

### Replaced By:

C-30-UW-N-A16      30 dB, Air Directional Coupler, 555–6000 MHz

## Product Classification

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

**Product Type**      Directional coupler

## General Specifications

**Device Type**      Coupler

**Application**      Indoor/Outdoor

**Color**      Silver

**Inner Contact Plating**      Silver

**Interface**      7-16 DIN Female

**Outer Contact Plating**      Trimetal

## Dimensions

**Height**      36 mm | 1.417 in

**Width**      74.5 mm | 2.933 in

**Length**      169 mm | 6.654 in

## Electrical Specifications

**3rd Order IMD**      -160 dBc

**3rd Order IMD Test Method**      Two +43 dBm carriers

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|   |  |
|---|--|
| <b>Insertion Loss at Frequency Band</b> | 0.2 dB @ 555–2700 MHz                        |
| <b>Return Loss, minimum</b>             | 20.8 dB                                      |
| <b>Average Power, maximum</b>           | 300 W  |
| <b>Coupling</b>                         | 30 dB  |
| <b>Coupling Tolerance</b>               | ±1.2dB @ 698–2700 MHz   ±2.1dB @ 555–698 MHz |
| <b>Impedance</b>                        | 50 ohm                                       |
| <b>Isolation at Frequency Band</b>      | 50 dB @ 555–2700 MHz                         |
| <b>Operating Frequency Band</b>         | 555 – 2700 MHz                               |
| <b>Peak Power, maximum</b>              | 1 kW   |
| <b>Reflected Power, maximum</b>         | 200 W  |
| <b>VSWR</b>                             | 1.2  |

## Mechanical Specifications

|                                  |                        |
|----------------------------------|------------------------|
| <b>Coupling Nut Proof Torque</b> | 25 N-m   221.269 in lb |
|----------------------------------|------------------------|

## Environmental Specifications

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| <b>Operating Temperature</b>          | -35 °C to +85 °C (-31 °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> | 65 mm   2.559 in                    |
| <b>Width, packed</b>  | 110 mm   4.331 in                   |
| <b>Length, packed</b> | 170 mm   6.693 in                   |
| <b>Volume</b>         | 1,215.5 cc   74.174 in <sup>3</sup> |
| <b>Weight, gross</b>  | 0.98 kg   2.161 lb                  |
| <b>Weight, net</b>    | 0.9 kg   1.984 lb                   |

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |

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UK-ROHS

Compliant/Exempted

