

C-30-CPUSE-43-AI6

30 dB, Low PIM Air Directional Coupler, 555–2700 MHz



OBSOLETE

This product was discontinued on: **October 31, 2019**

Replaced By:

C-30-UW-43-AI6

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

4.3-10 Female

Outer Contact Plating

Trimetal

Dimensions

Height

22 mm | 0.866 in

Width

75 mm | 2.953 in

Length

158 mm | 6.22 in

Electrical Specifications

3rd Order IMD

-162 dBc

3rd Order IMD Test Method

Two +43 dBm carriers

C-30-CPUSE-43-A16

| | |
|---|--|
| Insertion Loss at Frequency Band | 0.2 dB @ 575–2700 MHz |
| Return Loss, minimum | 20.8 dB |
| Average Power, maximum | 300 W |
| Coupling | 30 dB |
| Coupling Tolerance | ±1.2dB @ 575–2700 MHz ±1.5dB @ 555–575 MHz |
| Impedance | 50 ohm |
| Isolation at Frequency Band | 50 dB @ 555–2700 MHz |
| Operating Frequency Band | 555 – 2700 MHz |
| Peak Power, maximum | 1 kW |
| Reflected Power, maximum | 200 W |
| VSWR | 1.2 |

Mechanical Specifications

| | |
|----------------------------------|----------------------|
| Coupling Nut Proof Torque | 7 N-m 61.955 in lb |
|----------------------------------|----------------------|

Environmental Specifications

| | |
|---------------------------------------|--------------------------------------|
| Operating Temperature | -35 °C to +85 °C (-31 °F to +185 °F) |
| Relative Humidity | Up to 100% |
| Ingress Protection Test Method | IEC 60529:2001, IP65 |

Packaging and Weights

| | |
|-----------------------|--------------------|
| Height, packed | 45 mm 1.772 in |
| Width, packed | 98 mm 3.858 in |
| Length, packed | 180 mm 7.087 in |
| Weight, gross | 0.43 kg 0.948 lb |
| Weight, net | 0.38 kg 0.838 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| 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 www.commscope.com/ProductCompliance |
| ROHS | Compliant |

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