## VD-C30-CPUSEW-43-A



ValuDAS™, 30 dB, Air Directional Coupler, 578–3800 MHz, 4.3-10

### OBSOLETE

This product was discontinued on: June 29, 2023 Replaced By: VD-C30-CPUSEW-43B ValuDAS™, 30 dB, Air Directional Coupler, 578–3800 MHz, 4.3-10

### Product Classification

| Regional Availability     | Asia   EMEA   Latin America   |
|---------------------------|---|
| Product Type              | Directional coupler   |
| Product Brand             | ValuDAS®  |
| Ordering Note             | Available in Central and Latin America, Europe, Middle East, Africa, and Asia Pacific |
| General Specifications    |   |
| Device Type               | Coupler   |
| Application               | Indoor  |
| Color                     | White   |
| Inner Contact Plating     | Silver  |
| Interface                 | 4.3-10 Female   |
| Outer Contact Plating     | Trimetal  |
| Dimensions                |   |
| Height                    | 22 mm   0.866 in  |
| Width                     | 76 mm   2.992 in  |
| Length                    | 165 mm   6.496 in   |
| Electrical Specifications |   |
| 3rd Order IMD             | -155 dBc  |
| 3rd Order IMD Test Method | Two +43 dBm carriers  |

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# VD-C30-CPUSEW-43-A

| Insertion Loss at Frequency Band | 0.3 dB @ 578-3800 MHz                        |
|----------------------------------|--|
| Average Power, maximum           | 200 W  |
| Coupling                         | 30 dB  |
| Coupling Tolerance               | ±1.5dB @ 578-3800 MHz                        |
| Impedance                        | 50 ohm                                       |
| Isolation at Frequency Band      | 46 dB @ 3600-3800 MHz   49 dB @ 578-3600 MHz |
| Operating Frequency Band         | 578 – 3800 MHz                               |
| Peak Power, maximum              | 1.5 kW                                       |
| Reflected Power, maximum         | 200 W  |
| VSWR at Frequency Band           | 1.2:1 @ 578-2700 MHz   1.3:1 @ 2700-3800 MHz |

## **Environmental Specifications**

| Operating Temperature          | -25 °C to +85 °C (-13 °F to +185 ° |
|--------------------------------|------------------------------------|
| 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                  | 0.45 kg   0.992 lb                 |
| Weight, net                    | 0.38 kg   0.838 lb                 |

## Regulatory Compliance/Certifications

#### Agency

Classification

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

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