

# VD-C20-CPUSEW-43B



ValuDAS™, 20 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 (RAL 9010) |
| Inner Contact Plating | Silver           |
| Interface             | 4.3-10 Female    |
| Outer Contact Plating | Trimetal         |

## Dimensions

|        |                   |
|--------|-------------------|
| Height | 26 mm   1.024 in  |
| Width  | 70 mm   2.756 in  |
| Length | 176 mm   6.929 in |

## Electrical Specifications

|                             |  |
|-----------------------------|--|
| 3rd Order IMD               | -160 dBc                                     |
| 3rd Order IMD Test Method   | Two +43 dBm carriers                         |
| Insertion Loss              | 0.3 dB                                       |
| Average Power, maximum      | 200 W  |
| Coupling                    | 20 dB  |
| Coupling Tolerance          | ±1.0dB @ 698–3800 MHz   ±1.5dB @ 575–698 MHz |
| Impedance                   | 50 ohm                                       |
| Isolation at Frequency Band | 40 dB @ 575–3800 MHz                         |

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|                          |   |
|--------------------------|---|
| Operating Frequency Band | 578 – 3800 MHz                          |
| Peak Power, maximum      | 2 kW                                    |
| Reflected Power, maximum | 200 W                                   |
| VSWR                     | 1.25                                    |
| Electrical Note          | Values typical, unless otherwise stated |

## 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 | 38 mm   1.496 in  |
| Width, packed  | 88 mm   3.465 in  |
| Length, packed | 188 mm   7.402 in |
| Weight, gross  | 0.49 kg   1.08 lb |
| Weight, net    | 0.44 kg   0.97 lb |