

# VD-C20-CPUSEW-43B



ValuDAS™, 20 dB, Air Directional Coupler, 578–3800 MHz, 4.3-10

## Product Classification

<b>Regional Availability</b>	Asia   EMEA   Latin America
<b>Product Type</b>	Directional coupler
<b>Product Brand</b>	ValuDAS®
<b>Ordering Note</b>	Available in Central and Latin America, Europe, Middle East, Africa, and Asia Pacific

## General Specifications

<b>Device Type</b>	Coupler
<b>Application</b>	Indoor
<b>Color</b>	White (RAL 9010)
<b>Inner Contact Plating</b>	Silver
<b>Interface</b>	4.3-10 Female
<b>Outer Contact Plating</b>	Trimetal

## Dimensions

<b>Height</b>	26 mm   1.024 in
<b>Width</b>	70 mm   2.756 in
<b>Length</b>	176 mm   6.929 in

## Electrical Specifications

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

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

## Environmental Specifications

<b>Operating Temperature</b>	-25 °C to +85 °C (-13 °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>	38 mm   1.496 in
<b>Width, packed</b>	88 mm   3.465 in
<b>Length, packed</b>	188 mm   7.402 in
<b>Weight, gross</b>	0.49 kg   1.08 lb
<b>Weight, net</b>	0.44 kg   0.97 lb