

# VD-C10-CPUSEW-43-A



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

## OBSOLETE

This product was discontinued on: June 29, 2023

### Replaced By:

VD-C10-CPUSEW-43B ValuDAS™ 10 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
<b>Inner Contact Plating</b>	Silver
<b>Interface</b>	4.3-10 Female
<b>Outer Contact Plating</b>	Trimetal

## Dimensions

<b>Height</b>	22 mm   0.866 in
<b>Width</b>	76 mm   2.992 in
<b>Length</b>	165 mm   6.496 in

## Electrical Specifications

<b>3rd Order IMD</b>	-155 dBc
<b>3rd Order IMD Test Method</b>	Two +43 dBm carriers

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<b>Insertion Loss at Frequency Band</b>	0.8 dB @ 578–3800 MHz
<b>Average Power, maximum</b>	200 W
<b>Coupling</b>	10 dB
<b>Coupling Tolerance</b>	±1.0dB @ 2700–3800 MHz   ±1.0dB @ 698–2700 MHz   ±1.6dB @ 578–698 MHz
<b>Impedance</b>	50 ohm
<b>Isolation at Frequency Band</b>	27 dB @ 3600–3800 MHz   28 dB @ 578–3600 MHz
<b>Operating Frequency Band</b>	578 – 3800 MHz
<b>Peak Power, maximum</b>	1.5 kW
<b>Reflected Power, maximum</b>	100 W
<b>VSWR at Frequency Band</b>	1.2:1 @ 578–2700 MHz   1.3:1 @ 2700–3800 MHz

## 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>	45 mm   1.772 in
<b>Width, packed</b>	98 mm   3.858 in
<b>Length, packed</b>	180 mm   7.087 in
<b>Weight, gross</b>	0.45 kg   0.992 lb
<b>Weight, net</b>	0.38 kg   0.838 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

