

# VD-C20-CPUSE-N-A



ValuDAS™, 20 dB, Air Directional Coupler, 698–2700 MHz

## OBSOLETE

This product was discontinued on: June 29, 2023

### Replaced By:

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>	Black
<b>Inner Contact Plating</b>	Silver
<b>Interface</b>	N Female
<b>Outer Contact Plating</b>	Trimetal

## Dimensions

<b>Height</b>	22 mm   0.866 in
<b>Width</b>	75 mm   2.953 in
<b>Length</b>	155 mm   6.102 in

## Electrical Specifications

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

# VD-C20-CPUSE-N-A

---

<b>Insertion Loss at Frequency Band</b>	0.2 dB @ 698–2700 MHz
<b>Return Loss, minimum</b>	20.8 dB
<b>Average Power, maximum</b>	200 W
<b>Coupling</b>	20 dB
<b>Coupling Tolerance</b>	±1.0dB
<b>Impedance</b>	50 ohm
<b>Isolation at Frequency Band</b>	40 dB @ 698–2700 MHz
<b>Operating Frequency Band</b>	698 – 2700 MHz
<b>Peak Power, maximum</b>	1 kW
<b>Reflected Power, maximum</b>	200 W
<b>VSWR</b>	1.2

## Environmental Specifications

<b>Operating Temperature</b>	-35 °C to +85 °C (-31 °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>	178 mm   7.008 in
<b>Volume</b>	595.2 cc   36.321 in <sup>3</sup>
<b>Weight, gross</b>	0.42 kg   0.926 lb
<b>Weight, net</b>	0.37 kg   0.816 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



