

VD-C20-CPUSEW-43-A



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

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

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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Insertion Loss at Frequency Band	0.3 dB @ 578–3800 MHz
Average Power, maximum	200 W
Coupling	20 dB
Coupling Tolerance	±1.0dB @ 2700–3800 MHz ±1.0dB @ 698–2700 MHz ±1.8dB @ 578–698 MHz
Impedance	50 ohm
Isolation at Frequency Band	37 dB @ 3600–3800 MHz 38 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 °F)
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

