

VD-C7-CPUSE-N-A

ValuDAS™, 7 dB, Air Directional Coupler, 698–2700 MHz

OBSOLETE

This product was discontinued on: March 31, 2019

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North 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	Black
Inner Contact Plating	Silver
Interface	N Female
Outer Contact Plating	Trimetal

Dimensions

Height	22 mm 0.866 in
Width	75 mm 2.953 in
Length	155 mm 6.102 in

Electrical Specifications

3rd Order IMD	-155 dBc
3rd Order IMD Test Method	Two +43 dBm carriers
Insertion Loss at Frequency Band	1.2 dB @ 698–2700 MHz
Return Loss, minimum	20.8 dB
Average Power, maximum	200 W
Coupling	7 dB
Coupling Tolerance	±1.0dB

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Impedance	50 ohm
Isolation at Frequency Band	27 dB @ 698–2700 MHz
Operating Frequency Band	698 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	50 W
VSWR	1.2

Environmental Specifications

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

Regulatory Compliance/Certifications

Agency	Classification
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 www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

