

C-5-CPUSE-D-A16

5 dB, Air Directional Coupler, 555–2700 MHz



OBSOLETE

This product was discontinued on: July 31, 2021

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Product Type	Directional coupler

General Specifications

Device Type	Coupler
Application	Indoor/Outdoor
Color	Silver
Inner Contact Plating	Silver
Interface	7-16 DIN Female
Outer Contact Plating	Trimetal

Dimensions

Height	36 mm 1.417 in
Width	74.5 mm 2.933 in
Length	169 mm 6.654 in

Electrical Specifications

3rd Order IMD	-160 dBc
3rd Order IMD Test Method	Two +43 dBm carriers
Insertion Loss at Frequency Band	2.5 dB @ 555–2700 MHz
Return Loss, minimum	20.8 dB

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Average Power, maximum	300 W
Coupling	4.8 dB
Coupling Tolerance	±1.0dB @ 698–2700 MHz ±1.6dB @ 555–698 MHz
Impedance	50 ohm
Isolation at Frequency Band	25 dB @ 555–2700 MHz
Operating Frequency Band	555 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	30 W
VSWR	1.2

Mechanical Specifications

Coupling Nut Proof Torque	25 N-m 221.269 in lb
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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	65 mm 2.559 in
Width, packed	110 mm 4.331 in
Length, packed	170 mm 6.693 in
Weight, gross	0.98 kg 2.161 lb
Weight, net	0.9 kg 1.984 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
ROHS	Compliant
UK-ROHS	Compliant

