



H-3-CPUSE-D-A

Air Dielectric Hybrid Coupler, 698–2700 MHz

General Specifications

Device Type	Hybrid
Interface	7-16 DIN Female
Color	Black

Electrical Specifications

Operating Frequency Band	698 – 2700 MHz
3rd Order IMD	-150 dBc (relative to carrier)
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power, maximum	150 W
Coupling	3.1 dB
Coupling Tolerance	±0.5 dB
Impedance	50 ohm
Insertion Loss at Frequency Band	0.2 dB @ 698–2700 MHz
Isolation at Frequency Band	23 dB @ 698–2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	150 W
Return Loss	20.8 dB
VSWR	1.2:1

Mechanical Specifications

Inner Contact Plating	Silver
Outer Contact Plating	Trimetal

Environmental Specifications

Application	Indoor/Outdoor
Ingress Protection Test Method	IEC 60529:2001, IP65
Operating Temperature	-25 °C to +85 °C (-13 °F to +185 °F)
Relative Humidity	Up to 100%

Dimensions

Height	36.00 mm 1.42 in
Length	138.00 mm 5.43 in
Net Weight	885.00 g 1.95 lb
Width	92.40 mm 3.64 in

Packed Dimensions

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Height	60.0 mm 2.4 in
Length	170.0 mm 6.7 in
Shipping Weight	945.00 g 2.08 lb
Volume	1122.0000 cc
Width	110.0 mm 4.3 in

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant by Exemption
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

