



C-30-TCPUSE-D

30 dB, Directional Coupler, 380–2700 MHz

General Specifications

Device Type	Coupler
Interface	7-16 DIN Female
Color	Black

Electrical Specifications

Operating Frequency Band	380 – 2700 MHz
3rd Order IMD	-140 dBc (relative to carrier)
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power, maximum	200 W
Coupling	30.0 dB
Coupling Tolerance	±1.5 dB
Impedance	50 ohm
Insertion Loss at Frequency Band	0.2 dB @ 380–2700 MHz
Isolation at Frequency Band	20 dB @ 380–2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	200 W
Return Loss	19.0 dB
VSWR	1.25:1

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	194.00 mm 7.64 in
Net Weight	890.00 g 1.96 lb
Width	66.00 mm 2.60 in

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Packed Dimensions

Height	55.0 mm 2.2 in
Length	260.0 mm 10.2 in
Shipping Weight	950.00 g 2.09 lb
Volume	1072.5000 cc
Width	75.0 mm 3.0 in

Regulatory Compliance/Certifications

Agency

RoHS 2002/95/EC
ISO 9001:2008

Classification

Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system

