

C-10-TCPUSE-D

10 dB, Directional Coupler, 380–2700 MHz



OBSOLETE

This product was discontinued on: **March 30, 2016**

Replaced By:

C-10-TCPUSE-D-A16 10 dB, Low PIM Air Directional Coupler, 340–2700 MHz

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

Black

Inner Contact Plating

Silver

Interface

7-16 DIN Female

Outer Contact Plating

Trimetal

Dimensions

Height

36 mm | 1.417 in

Width

66 mm | 2.598 in

Length

194 mm | 7.638 in

Electrical Specifications

3rd Order IMD

-140 dBc

3rd Order IMD Test Method

Two +43 dBm carriers

C-10-TCPUSE-D

| | |
|---|-----------------------|
| Insertion Loss at Frequency Band | 0.8 dB @ 380–2700 MHz |
| Return Loss, minimum | 19 dB |
| Average Power, maximum | 200 W |
| Coupling | 10 dB |
| Coupling Tolerance | ±1.0dB |
| Impedance | 50 ohm |
| Isolation at Frequency Band | 20 dB @ 380–2700 MHz |
| Operating Frequency Band | 380 – 2700 MHz |
| Peak Power, maximum | 1 kW |
| Reflected Power, maximum | 100 W |
| VSWR | 1.25 |

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 | 55 mm 2.165 in |
| Width, packed | 110 mm 4.331 in |
| Length, packed | 200 mm 7.874 in |
| Volume | 1210 cc 73.839 in ³ |
| Weight, gross | 0.95 kg 2.094 lb |
| Weight, net | 0.89 kg 1.962 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

