

C-20-TCPUSE-N

20 dB, Directional Coupler, 380–2700 MHz



OBSOLETE

This product was discontinued on: March 30, 2016

Replaced By:

- C-20-TCPUSE-43-AI6 20 dB, Low PIM Air Directional Coupler, 340–2700 MHz
- C-20-TCPUSE-N-AI6 20 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 | N Female |
| Outer Contact Plating | Trimetal |

Dimensions

| | |
|--------|-------------------|
| Height | 23 mm 0.906 in |
| Width | 65 mm 2.559 in |
| Length | 180 mm 7.087 in |

Electrical Specifications

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|---------------------------|----------------------|
| 3rd Order IMD | -140 dBc |
| 3rd Order IMD Test Method | Two +43 dBm carriers |

C-20-TCPUSE-N

| | |
|-----------------------------------------|-----------------------|
| Insertion Loss at Frequency Band | 0.3 dB @ 380–2700 MHz |
| Return Loss, minimum | 19 dB |
| Average Power, maximum | 200 W |
| Coupling | 20 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 | 200 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 | 40 mm 1.575 in |
| Width, packed | 88 mm 3.465 in |
| Length, packed | 195 mm 7.677 in |
| Volume | 686.4 cc 41.887 in ³ |
| Weight, gross | 0.44 kg 0.97 lb |
| Weight, net | 0.4 kg 0.882 lb |

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

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

