

C-20-TCPUSEW-N-A16



20 dB, Air Directional Coupler, 340-3800 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 | White |
| Inner Contact Plating | Silver |
| Interface | N Female |
| Outer Contact Plating | Trimetal |

Dimensions

| | |
|---------------|---------------------|
| Height | 23 mm 0.906 in |
| Width | 74.6 mm 2.937 in |
| Length | 209.5 mm 8.248 in |

Electrical Specifications

| | |
|---|--|
| 3rd Order IMD | -163 dBc |
| 3rd Order IMD Test Method | Two +43 dBm carriers |
| Insertion Loss at Frequency Band | 0.35 dB @ 340-3800 MHz |
| Average Power, maximum | 200 W |
| Coupling | 20 dB |
| Coupling Tolerance | ±1.4dB |
| Impedance | 50 ohm |
| Isolation at Frequency Band | 36 dB @ 2700-3800 MHz 39 dB @ 340-2700 MHz |
| Operating Frequency Band | 340 - 3800 MHz |
| Peak Power, maximum | 1 kW |

C-20-TCPUSEW-N-AI6

| | |
|---------------------------------|--|
| Reflected Power, maximum | 40 W |
| VSWR at Frequency Band | 1.2:1 @ 340–2700 MHz 1.3:1 @ 2700–3800 MHz |

Mechanical Specifications

| | |
|----------------------------------|------------------------|
| Coupling Nut Proof Torque | 4.5 N-m 39.828 in lb |
|----------------------------------|------------------------|

Environmental Specifications

| | |
|---------------------------------------|--------------------------------------|
| Operating Temperature | -25 °C to +85 °C (-13 °F to +185 °F) |
| Relative Humidity | Up to 100% |
| Corrosion Test Method | IEC 60068-2-11, 30 days |
| Ingress Protection Test Method | IEC 60529:2001, IP67 |

Packaging and Weights

| | |
|-----------------------|---------------------|
| Height, packed | 77 mm 3.031 in |
| Width, packed | 42 mm 1.654 in |
| Length, packed | 258 mm 10.157 in |
| Weight, gross | 0.604 kg 1.332 lb |
| Weight, net | 0.53 kg 1.168 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|-----------------------------------|
| CHINA-ROHS | Above maximum concentration value |
| ROHS | Compliant/Exempted |

