



## C-10-CPUSE-N-A

**10 dB, Air Directional Coupler, 698–2700 MHz**

### General Specifications

|             |          |
|-------------|----------|
| Device Type | Coupler  |
| Interface   | N 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           | 200 W                          |
| Coupling                         | 10.0 dB                        |
| Coupling Tolerance               | ±1.0 dB                        |
| Impedance                        | 50 ohm                         |
| Insertion Loss at Frequency Band | 0.7 dB @ 698–2700 MHz          |
| Isolation at Frequency Band      | 30 dB @ 698–2700 MHz           |
| Peak Power, maximum              | 1 kW                           |
| Reflected Power, maximum         | 100 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          | -35 °C to +85 °C (-31 °F to +185 °F) |
| Relative Humidity              | Up to 100%                           |

### Dimensions

|            |                     |
|------------|---------------------|
| Height     | 22.00 mm   0.87 in  |
| Length     | 155.00 mm   6.10 in |
| Net Weight | 375.00 g   0.83 lb  |
| Width      | 75.00 mm   2.95 in  |

## Packed Dimensions

|                 |                    |
|-----------------|--------------------|
| Height          | 40.0 mm   1.6 in   |
| Length          | 180.0 mm   7.1 in  |
| Shipping Weight | 420.00 g   0.93 lb |
| Volume          | 648.0000 cc        |
| Width           | 90.0 mm   3.5 in   |

## Regulatory Compliance/Certifications

| Agency        | Classification                                                                 |
|---------------|--------------------------------------------------------------------------------|
| ISO 9001:2008 | Designed, manufactured and/or distributed under this quality management system |