# 8dB Directional Coupler 4.3-10 Female, 698-2700MHz

RFDC-8DBC-43F

**Low PIM**

**Low VSWR**

**Other Configurations Available**

**50 Ohms Impedance**

**RoHS Compliant**

**IP 67 Rated**

## GENERAL SPECIFICATIONS

| | |
|---|---|
| Device Type | Directional Coupler |
| Interface | 4.3-10 Female |
| Color | Black |
| Dimensions | 6.43" L x 3.30" W x 1.40" H |
| Bracket Included | Yes |
| Weight | 1.25 lbs |

## ELECTRICAL SPECIFICATIONS

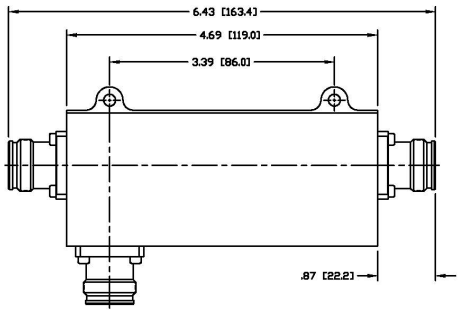
| | |
|---|---|
| Operation Frequency Band | 698-2700 MHz |
| 3rd Intermodulation | ≤-155 dBc (relative to carrier) |
| 3rd Intermodulation Test Method | Two +43 dBm carriers |
| Average Power | 300Watt |
| Impedance | 50Ω |
| Coupling | 8dB |
| Coupling Tolerance | ±0.8dB |
| Insertion Loss | ≤1.1dB@698-2700 MHz |
| Isolation | ≥28dB@698-2700 MHz |
| Peak Power | 1.3Kw |
| VSWR | ≤1.25 |

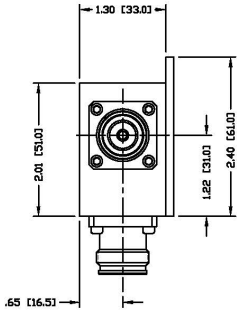
## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Inner Contact Plating | Silver |
| Outer Plating | White Bronze (Tri-Metal) |

## ENVIRONMENTAL SPECIFICATIONS

| | |
|---|---|
| Application | Indoor/Outdoor |
| Operating Temperature | -30°C～+55°C; -22°F～+131°F |
| Relative Humidity | Up to 95% |
| Regulatory Compliance / Certifications | RoHS / IP67 |





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*Note: Specifications subject to change without notice*