

# High Power Directional Coupler

RFCOMPONENTS.COM.AU

## General Description

300W 138-960MHz Directional Coupler(138-960MHz, 43.10 Female)

## Features & Benefits

- Guaranteed Parameters Compliance
- Low Frequency Band Covering 138-960MHz
- Low Insertion Loss
- Low VSWR
- Indoor Using IP60
- Available with Type N, 7/16DIN or 4.3/10 Connectors

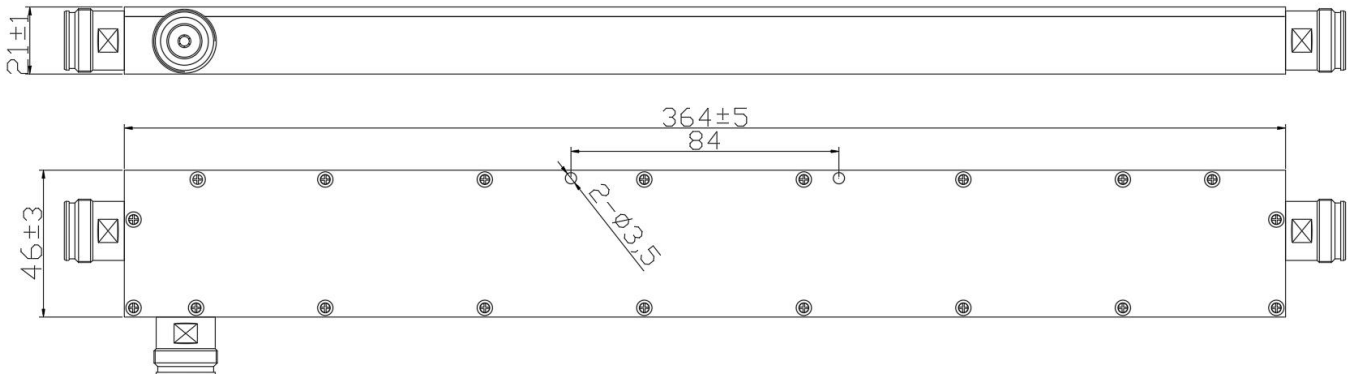


Image

## Electrical & Mechanical Specifications

| Model No.          | RFDC-XX-1396-43 (XX means coupling in dB) |           |           |           |           |           |           |           |           |       |
|--------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|
| Coupling(dB)       | 3   | 4.8       | 6         | 7         | 8         | 10        | 15        | 20        | 30        | 40    |
| Accuracy(dB)       | ±1.3                                      | ±1.4      | ±1.5      | ±1.7      | ±1.8      | ±2.0      | ±2.0      | ±2.0      | ±2.5      | ±3.0  |
| Insertion Loss(dB) | ≤3.6<br>5                                 | ≤2.2<br>0 | ≤1.7<br>5 | ≤1.4<br>5 | ≤1.3<br>5 | ≤0.9<br>0 | ≤0.7<br>0 | ≤0.5<br>0 | ≤0.3<br>0 | ≤0.30 |
| Isolation          | ≥18                                       | ≥19       | ≥21       | ≥22       | ≥23       | ≥25       | ≥28       | ≥30       | ≥43       | ≥50   |
| Freq(MHz)          | 138-960MHz                                |           |           |           |           |           |           |           |           |       |
| VSWR               | ≤1.30                                     |           |           |           |           |           |           |           |           |       |
| Power Rating(W)    | 300W (average Per Port)                   |           |           |           |           |           |           |           |           |       |
| Impedance          | 50 ohm                                    |           |           |           |           |           |           |           |           |       |
| Connector          | 4.3-10Female                              |           |           |           |           |           |           |           |           |       |
| Color              | Red-plated                                |           |           |           |           |           |           |           |           |       |
| Operating Temp(°C) | -25° C to +75° C                          |           |           |           |           |           |           |           |           |       |
| Weight(kg)         | 0.85                                      |           |           |           |           |           |           |           |           |       |

## Mechanical Drawing



Dimensions in mm