

DC-xxMX-43F-CC

This model was previously released as ADC-xx-WBM-XP-43F-CC.

Directional Coupler | 698-2700 MHz | 4.3/10 Female

Features

- Low VSWR
- Low PIM
- Low insertion loss
- High power capacity
- Performance stability



| Ordering Options | DC-xxMX-43F-CC | | | | | | | | | | | |
|--|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| When ordering, replace the "xx" in the model number with the options listed below. | | | | | | | | | | | | |
| Coupling Value (xx) | 03 | 05 | 06 | 07 | 08 | 09 | 10 | 13 | 15 | 20 | 25 | 30 |
| Electrical Characteristics | | | | | | | | | | | | |
| Frequency Range | 698-2700 MHz | | | | | | | | | | | |
| Coupling | 3 dB | 4.8 dB | 6 dB | 7 dB | 8 dB | 9 dB | 10 dB | 13 dB | 15 dB | 20 dB | 25 dB | 30 dB |
| Coupling Tolerance | ±0.8 dB | ±0.8 dB | ±0.8 dB | ±0.8 dB | ±0.8 dB | ±0.8 dB | ±1.0 dB | ±1.0 dB | ±1.0 dB | ±1.0 dB | ±1.2 dB | ±1.2 dB |
| Insertion Loss | ≤ 3.6 dB | ≤ 2.0 dB | ≤ 1.7 dB | ≤ 1.5 dB | ≤ 1.1 dB | ≤ 1.1 dB | ≤ 0.7 dB | ≤ 0.5 dB | ≤ 0.4 dB | ≤ 0.3 dB | ≤ 0.2 dB | ≤ 0.2 dB |
| Isolation | ≥ 23 dB | ≥ 25 dB | ≥ 26 dB | ≥ 27 dB | ≥ 28 dB | ≥ 29 dB | ≥ 30 dB | ≥ 33 dB | ≥ 35 dB | ≥ 40 dB | ≥ 45 dB | ≥ 50 dB |
| VSWR | ≤ 1.20 | | | | | | | | | | | |
| Power Rating | 300 W | | | | | | | | | | | |
| Peak Power (max) | 1.3 kW | | | | | | | | | | | |
| PIM3 (2x43 dBm) | ≤ -160 dBc | | | | | | | | | | | |
| Impedance | 50Ω | | | | | | | | | | | |
| Mechanical Characteristics | | | | | | | | | | | | |
| Dimensions (L x W x D) | 163.4 x 83.2 x 36 mm | | | | | | | | | | | |
| Weight | 0.56 kg | | | | | | | | | | | |
| Packing Dimensions | 190 x 95 x 55 mm | | | | | | | | | | | |
| Packing Weight | 0.73 kg | | | | | | | | | | | |
| Plating | Inner Contact | Silver | | | | | | | | | | |
| | Outer Trimetal | Trimetal | | | | | | | | | | |
| Connector | 4.3/10 Female | | | | | | | | | | | |
| Environmental Characteristics | | | | | | | | | | | | |
| Storage Temperature | -55° to +85° C | | | | | | | | | | | |
| Operating Temperature | -30° C to +55° C | | | | | | | | | | | |
| Working Pressure | 70-106 kPa | | | | | | | | | | | |
| Relative Humidity | Up to 95% | | | | | | | | | | | |
| Application | Indoor / Outdoor | | | | | | | | | | | |
| Certification | IP65 | | | | | | | | | | | |
| RoHS Compliant | Yes | | | | | | | | | | | |

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

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Dimensional Drawing

