

QDDC-1000-50000-20

1~50GHz, 20W

Features:

* Low Insertion Loss

Applications:

* Amplifiers
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency: 1~50GHz
Average Power*¹: 20W max. CW
Impedance: 50Ω

[1] The power needs to meet the matching VSWR not exceeding 1.2.

| Coupling (dB) | Insertion Loss (dB max.) | VSWR (max.) | Coupling Flatness (dB max.) | Directivity (dB min.) |
|---------------|--------------------------|-----------------|-----------------------------|-----------------------|
| 10±1.2 | 4.6 | 1.8 (Mainline) | ±1.4 | 9 |
| | | 1.8 (Coupling) | | |
| 13±1.6 | 3 | 1.65 (Mainline) | ±1.5 | 9 |
| | | - (Coupling) | | |
| 20±1.2 | 3.8 | 1.8 (Mainline) | ±1.4 | 8 |
| | | 1.8 (Coupling) | | |
| 30±1.2 | 3.7 | 1.8 (Mainline) | ±1.4 | 8 |
| | | 1.8 (Coupling) | | |

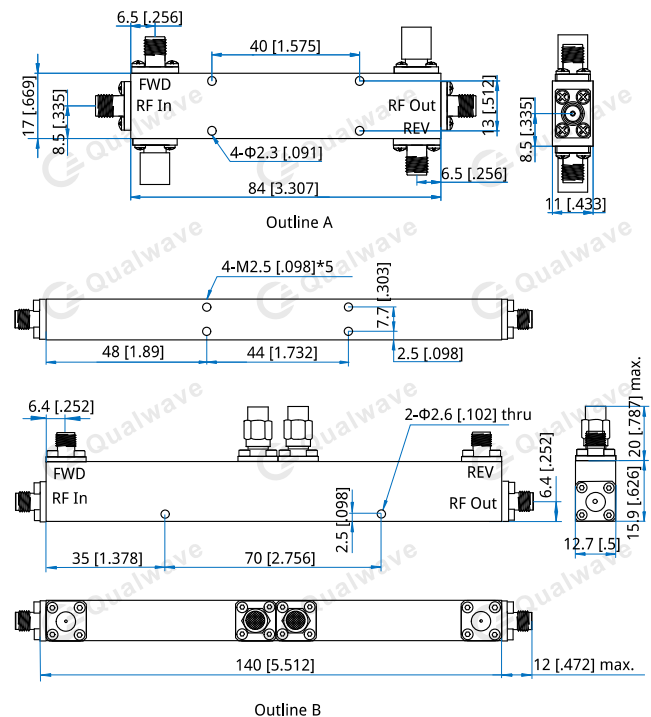
Mechanical

RF Connectors: 2.4mm female
Coupling Connectors: 2.4mm female

Environmental

Operating Temperature: -55~+85°C
Non-operation Temperature: -55~+100°C

Outline Drawings



Unit: mm [in]

Tolerance: x.±1mm [±0.039in], .x±0.5mm [±0.02in], .xx±0.1mm [±0.004in]

How To Order

QDDC-1000-50000-20-X-Y

X: Coupling (13dB - Outline A, 10, 20, 30dB - Outline B)

Y: Connector type

Connector naming rules:

2 - 2.4mm female (Outline A, B)

Examples:

To order a dual directional coupler, 1~50GHz, 20W, 13dB, 2.4mm female, specify QDDC-1000-50000-20-13-2.

Customization is available upon request.