

QSDC-300-50000-20

0.3~50GHz, 20W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

| | |
|----------------|------------|
| Frequency: | 0.3~50GHz |
| Directivity: | 8dB min. |
| Impedance: | 50Ω |
| Average Power: | 20W max. |
| Peak Power: | 1000W max. |

| Coupling (dB) | Insertion Loss (dB max.) | VSWR (max.) | Coupling Flatness (±dB max.) |
|---------------|--------------------------|-------------|------------------------------|
| 10±1.4 | 5.2 | 1.8 | 1.7 |
| 13±1.4 | 5.0 | 1.8 | 1.7 |
| 16±1.4 | 4.9 | 1.8 | 1.7 |
| 20±1.4 | 4.8 | 1.8 | 1.7 |

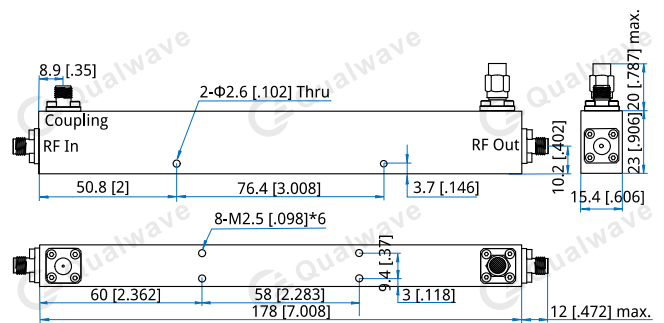
Mechanical

| | |
|-------------|-----------------------------------|
| Connectors: | 2.4mm Female |
| Mounting: | 2-Φ2.6mm through-hole 8-M2.5*6 |

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: .xx±0.5mm [±0.02in], .xxx±0.1mm [±0.004in]

How To Order

QSDC-300-50000-20-X-Y

X: Coupling (10, 13, 16, 20dB)

Y: Connector type

Connector naming rules:

2 - 2.4mm female

Examples:

To order a single directional coupler, 0.3~50GHz, 20W, 10dB, 2.4mm female, specify QSDC-300-50000-20-10-2.

Customization is available upon request.