

## QSDC-20000-50000-10

20~50GHz, 10W

### Features:

- \* Broadband
- \* Low Insertion Loss

### Applications:

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

### Electrical

|                    |                                                             |
|--------------------|-------------------------------------------------------------|
| Frequency:         | 20~50GHz                                                    |
| Insertion Loss:    | 1.8dB max. (10dB)<br>1.6dB max. (20dB)<br>1.2dB max. (30dB) |
| VSWR:              | 1.9 max.                                                    |
| Directivity:       | 10dB min. (10, 20dB)<br>8dB min. (30dB)                     |
| Coupling:          | 10±1.2, 20±1.2, 30±1.2dB                                    |
| Coupling Flatness: | ±1dB                                                        |
| Impedance:         | 50Ω                                                         |
| Average Power:     | 10W                                                         |

### Mechanical

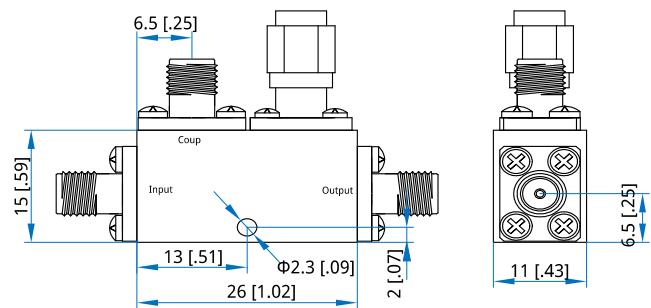
|                      |                                |
|----------------------|--------------------------------|
| Size <sup>*1</sup> : | 26*15*11mm<br>1.02*0.59*0.43in |
| Connectors:          | 2.4mm Female                   |
| Mounting:            | Φ2.3mm through-hole            |

[1] Exclude connectors and terminations.

### Environmental

|              |           |
|--------------|-----------|
| Temperature: | -45~+85°C |
|--------------|-----------|

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

### How To Order

**QSDC-20000-50000-10-X-Y**

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

2 - 2.4mm Female

Examples:

To order a single directional coupler, 20~50GHz, 10W, 10dB, 2.4mm Female, specify QSDC-20000-50000-10-10-2.

Customization is available upon request.