

## QSDC-10-67000-12-13-V

0.01~67GHz, 12W, 13dB

### Features:

- \* Broadband
- \* Low Insertion Loss

### Applications:

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

### Electrical

|                               |            |
|-------------------------------|------------|
| Frequency:                    | 0.01~67GHz |
| Electromagnetic Shielding:    | 100dB typ. |
| Average Power* <sup>1</sup> : | 12W max.   |
| Peak Power:                   | 1000W max. |
| Impedance:                    | 50Ω        |

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

| Coupling<br>(dB max.) | Frequency<br>(GHz) | VSWR<br>(max.)  | Insertion Loss* <sup>2</sup><br>(dB max.) | Directivity<br>(dB min.) |
|-----------------------|--------------------|-----------------|-------------------------------------------|--------------------------|
| 56                    | 0.01~1             | 1.2 (Mainline)  | 0.6                                       | 16                       |
|                       |                    | 1.2 (Coupling)  |                                           |                          |
| 13±2.5                | 1~20               | 1.35 (Mainline) | 1.3                                       | 16                       |
|                       |                    | 1.4 (Coupling)  |                                           |                          |
| 13±2.5                | 20~50              | 1.45 (Mainline) | 2.3                                       | 13                       |
|                       |                    | 1.5 (Coupling)  |                                           |                          |
| 13±2.5                | 50~67              | 1.5 (Mainline)  | 2.8                                       | 10                       |
|                       |                    | 1.6 (Coupling)  |                                           |                          |

[2] Excluding coupling loss.

### Mechanical

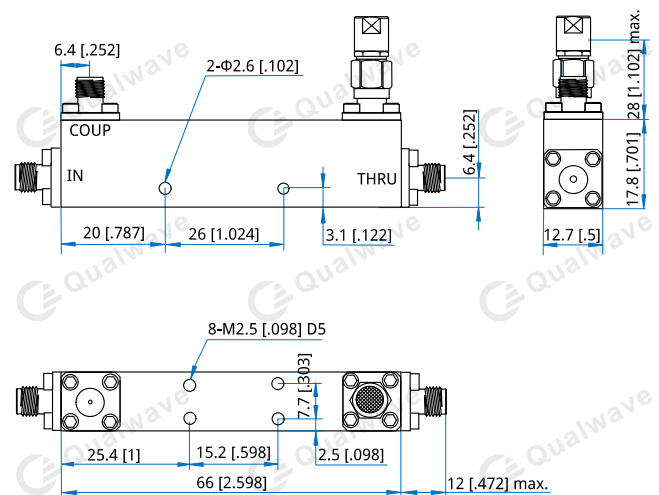
|                      |                                             |
|----------------------|---------------------------------------------|
| Size* <sup>3</sup> : | 66*17.8*12.7mm<br>2.598*0.701*0.5in         |
| Connectors:          | 1.85mm Female                               |
| Mounting:            | 2-Φ2.6mm through-hole<br>8-M2.5mm depth 5mm |

[3] Exclude connectors.

### Environmental

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

### Outline Drawings



Outline A

Unit: mm [in]

Tolerance: ±1mm [±0.039in]

### How To Order

**QSDC-10-67000-12-13-V**

Customization is available upon request.