

# QSDC-100-8000-10-6-S

0.1~8GHz, 10W, 6dB

Features:  
 \* Broadband  
 \* Low Insertion Loss

Applications:  
 \* Amplifiers  
 \* Transmitter  
 \* Laboratory Test  
 \* Radar

### Electrical

|                                |            |
|--------------------------------|------------|
| Frequency:                     | 0.1~8GHz   |
| Insertion Loss <sup>*1</sup> : | 2.4dB max. |
| VSWR:                          | 1.3 max.   |
| Directivity:                   | 20dB min.  |
| Impedance:                     | 50Ω        |
| Average Power:                 | 10W max.   |

[1] Includes theoretical interpolation loss

| Frequency(GHz) | Coupling (dB) | Coupling Flatness (dB max.) |
|----------------|---------------|-----------------------------|
| 0.1~0.3        | 11±1.2        | ±5                          |
| 0.3~8          | 6±0.8         | ±1                          |

### Mechanical

Size<sup>\*2</sup>: 178\*15.4\*23  
 7.008\*0.606\*0.906

Connectors: SMA Female

[2] Exclude connectors and terminations.

### How To Order

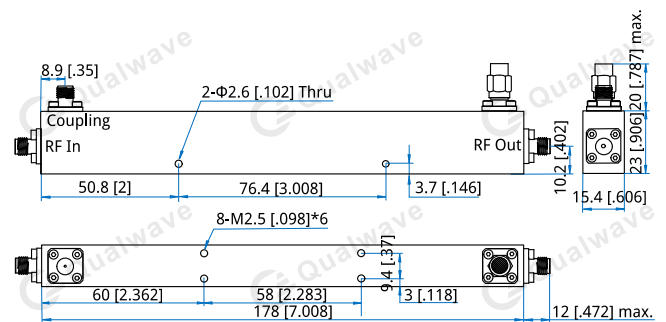
[QSDC-100-8000-10-6-S](#)

Customization is available upon request.

### Environmental

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

### Outline Drawings



Unit: mm [in]

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