

# QCC6466H

## High Power, High Isolation

Features:  
 \* High Power  
 \* High Isolation  
 \* Low Insertion Loss  
 \* Low VSWR

Applications:  
 \* Wireless  
 \* Radar  
 \* Laboratory Test

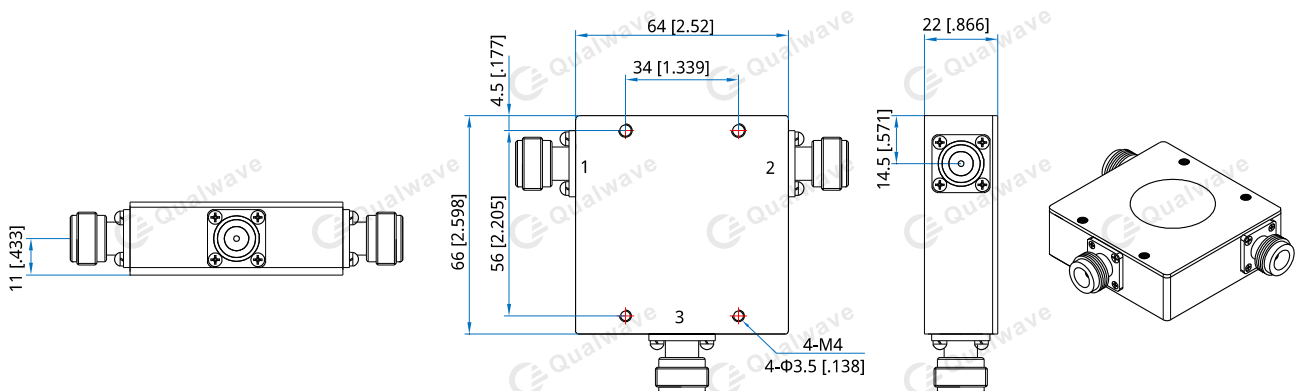
### Description

QCC6466H series Coaxial Circulators cover frequency range 20~400MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

### Specifications

| Frequency (MHz) | Bandwidth (MHz) | IL (dB Max.) | Isolation (dB Min.) | VSWR (Max.) | Average Power (W) | Connector | Temperature (°C) |
|-----------------|-----------------|--------------|---------------------|-------------|-------------------|-----------|------------------|
| 20~30           | 0               | 2.00         | 18.0                | 1.30        | 10~100            | SMA, N    | -20~+70          |
| 30~80           | 0               | 1.20         | 20.0                | 1.25        | 10~100            | SMA, N    | -20~+70          |
| 30~80           | 5               | 1.80         | 18.0                | 1.30        | 10~100            | SMA, N    | -20~+70          |
| 88~108          | 20              | 0.60         | 20.0                | 1.25        | 10~100            | SMA, N    | -20~+70          |
| 100~140         | 40              | 1.20         | 18.0                | 1.30        | 10~100            | SMA, N    | -20~+70          |
| 108~118         | 10              | 0.50         | 20.0                | 1.20        | 10~100            | SMA, N    | -20~+70          |
| 116~138         | 22              | 0.60         | 20.0                | 1.25        | 10~100            | SMA, N    | -20~+70          |
| 130~180         | 50              | 0.60         | 20.0                | 1.25        | 10~100            | SMA, N    | -20~+70          |
| 136~174         | 38              | 0.50         | 20.0                | 1.25        | 10~100            | SMA, N    | -20~+70          |
| 150~170         | 20              | 0.40         | 20.0                | 1.20        | 10~100            | SMA, N    | -20~+70          |
| 170~230         | 60              | 0.60         | 20.0                | 1.25        | 10~100            | SMA, N    | -20~+70          |
| 225~400         | 175             | 0.80         | 18.0                | 1.30        | 10~100            | SMA, N    | -20~+70          |

### Outline Drawings



Unit: mm [inch]      Tolerance: ±0.2mm [±0.008in]

**Mechanical**

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|                      |                                  |
|----------------------|----------------------------------|
| Size <sup>*1</sup> : | 64*66*22mm<br>2.52*2.598*0.866in |
| Mounting:            | 4-Φ3.5mm through-hole<br>4-M4    |

[1] Exclude connectors

**Connector Naming Rules:**

N - N Female

**Direction Naming Rules:**

1 - Clockwise

2 - Anticlockwise

**How To Order****QCC6466H-V-W-X-Y-Z**

V: Start frequency in MHz

W: Stop frequency in MHz

X: Average power in W

Y: Connector type

Z: Direction type

**Examples:**

To order a QCC6466H series Circulator, 55~75MHz, 100W, N female, clockwise, specify QCC6466H-55-75-K1-N-1.

Customization is available upon request.