

# QCCN

## High Power, High Isolation

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

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

### Description

QCCN series coaxial circulators cover frequency range 7000~13000MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

### Specifications

| Part Number      | Frequency Range (MHz) | Insertion Loss (dB, max.) | Isolation (dB, min.) | VSWR (max.) | Temperature (°C) |
|------------------|-----------------------|---------------------------|----------------------|-------------|------------------|
| QCCN-7400-7700   | 7400~7700             | 0.3                       | 23                   | 1.2         | -40~ +85         |
| QCCN-7800-8600   | 7800~8600             | 0.3                       | 23                   | 1.2         | -40~ +85         |
| QCCN-7900-8500   | 7900~8500             | 0.3                       | 23                   | 1.2         | -40~ +85         |
| QCCN-8000-10000  | 8000~10000            | 0.4                       | 20                   | 1.25        | -40~ +85         |
| QCCN-9000-10000  | 9000~10000            | 0.3                       | 23                   | 1.2         | -40~ +85         |
| QCCN-8000-12000  | 8000~12000            | 0.5                       | 18                   | 1.3         | -40~ +85         |
| QCCN-9000-11000  | 9000~11000            | 0.4                       | 20                   | 1.25        | -40~ +85         |
| QCCN-10000-11000 | 10000~11000           | 0.3                       | 23                   | 1.2         | -40~ +85         |
| QCCN-10000-12000 | 10000~12000           | 0.4                       | 20                   | 1.25        | -40~ +85         |

### Power Handling

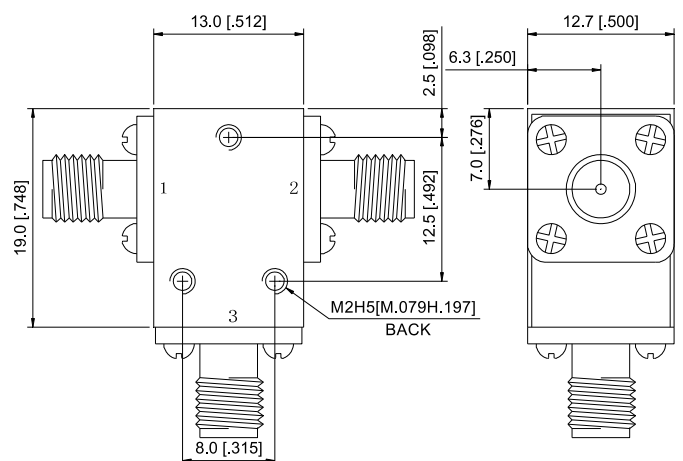
Forward Power: 60W  
 Reverse Power: 60W

### Mechanical

Size<sup>\*1</sup>: 13.0\*19.0\*12.7mm  
 0.512\*0.748\*0.500in  
 Connectors: SMA

[1] Exclude connectors.

### Outline Drawings



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

**How To Order****QCCN-X-Y-Z**

X: Start frequency in MHz

Y: Stop frequency in MHz

Z: Connector type

Connector naming rules:

S - SMA

Male Connector - Add 'M' after connector name

Examples:

To order a QCCN series circulator, 7400-7700MHz, SMA female, specify QCCN-7400-7700-S.

Customization is available upon request.