

QCCB

High Power, High Isolation

Features:

- * High Power
- * High Isolation
- * Low Insertion Loss
- * Low VSWR

Applications:

- * Wireless
- * Radar
- * Laboratory Test

Description

QCCB series coaxial circulators cover frequency range 45~270MHz. 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) |
|----------------------------|-----------------------|---------------------------|----------------------|-------------|------------------|
| QCCB-45-50 | 45~50 | 1.5 | 18 | 1.3 | -10 ~ +65 |
| QCCB-50-75 | 50~75 | 1.8 | 20 | 1.25 | -10 ~ +65 |
| QCCB-55-75 | 55~75 | 1.3 | 20 | 1.25 | -10 ~ +65 |
| QCCB-60-65 | 60~65 | 1 | 20 | 1.25 | -10 ~ +65 |
| QCCB-65-70 | 65~70 | 1 | 20 | 1.25 | -10 ~ +65 |
| QCCB-68-88 | 68~88 | 1.3 | 18 | 1.3 | -20 ~ +65 |
| QCCB-70-85 | 70~85 | 0.8 | 20 | 1.25 | -20 ~ +65 |
| QCCB-70-90 | 70~90 | 1 | 20 | 1.25 | -20 ~ +65 |
| QCCB-80-120 | 80~120 | 1 | 20 | 1.25 | 0 ~ +65 |
| QCCB-85-135 | 85~135 | 1 | 20 | 1.25 | -10 ~ +65 |
| QCCB-87-108* ¹ | 87~108 | 0.6 | 20 | 1.25 | -20 ~ +65 |
| QCCB-88-138 | 88~138 | 1 | 20 | 1.25 | -10 ~ +65 |
| QCCB-100-130* ¹ | 100~130 | 0.6 | 20 | 1.25 | -30 ~ +70 |
| QCCB-100-150 | 100~150 | 0.8 | 20 | 1.25 | -10 ~ +65 |
| QCCB-108-118* ¹ | 108~118 | 0.5 | 23 | 1.2 | -30 ~ +70 |
| QCCB-118-137* ¹ | 118~137 | 0.5 | 23 | 1.2 | -30 ~ +70 |
| QCCB-130-180 | 130~180 | 0.8 | 20 | 1.25 | -30 ~ +70 |
| QCCB-136-174* ¹ | 136~174 | 0.5 | 20 | 1.25 | -30 ~ +70 |
| QCCB-150-200 | 150~200 | 0.6 | 20 | 1.25 | -30 ~ +70 |
| QCCB-150-225 | 150~225 | 0.9 | 18 | 1.3 | -30 ~ +70 |
| QCCB-170-200* ¹ | 170~200 | 0.5 | 20 | 1.25 | -30 ~ +70 |
| QCCB-180-220 | 180~220 | 0.5 | 20 | 1.25 | -30 ~ +70 |
| QCCB-200-270 | 200~270 | 1 | 18 | 1.3 | -30 ~ +70 |

[1] Power is up to 200W for N connector circulators.

Power Handling

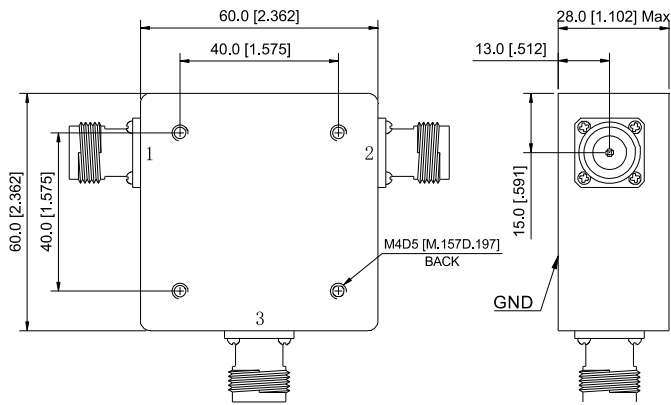
Forward Power: 100W
Reverse Power: 100W

Mechanical

Size*²: 60.0*60.0*28.0mm
2.362*2.362*1.102in
Connectors: N, SMA

[2] Exclude connectors.

Outline Drawings



Unit: mm [inch]

Tolerance: $\pm 0.2\text{mm}$ [$\pm 0.008\text{in}$]

How To Order

QCCB-X-Y-Z

X: Start frequency in MHz

Y: Stop frequency in MHz

Z: Connector type

Connector naming rules:

S - SMA

N - N

Male Connector - Add 'M' after connector name

Examples:

To order a QCCB series circulator, 50-75MHz, N female, specify QCCB-50-75-N.

Customization is available upon request.