

QCCQ

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

Description

QCCQ series Dual Junction 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)
QCCQ-45-50	45~50	3	36	1.3	-10 ~ +65
QCCQ-50-75	50~75	3.6	40	1.25	-10 ~ +65
QCCQ-55-75	55~75	2.5	40	1.25	-10 ~ +65
QCCQ-60-65	60~65	2	40	1.25	-10 ~ +65
QCCQ-65-70	65~70	2	40	1.25	-10 ~ +65
QCCQ-68-88	68~88	2.5	36	1.3	-20 ~ +65
QCCQ-70-85	70~85	1.6	40	1.25	-20 ~ +65
QCCQ-70-90	70~90	2	40	1.25	-20 ~ +65
QCCQ-80-120	80~120	2	40	1.25	0 ~ +65
QCCQ-85-135	85~135	2	40	1.25	-10 ~ +65
QCCQ-87-108	87~108	1.2	40	1.25	-20 ~ +65
QCCQ-88-138	88~138	2	40	1.25	-10 ~ +65
QCCQ-100-130	100~130	1.2	40	1.25	-30 ~ +70
QCCQ-100-150	100~150	1.2	40	1.25	-10 ~ +65
QCCQ-108-118	108~118	1	45	1.2	-30 ~ +70
QCCQ-118-137	118~137	1	45	1.2	-30 ~ +70
QCCQ-130-80	130~180	1.6	40	1.25	-30 ~ +70
QCCQ-136-74	136~174	1	40	1.25	-30 ~ +70
QCCQ-150-200	150~200	1.2	40	1.25	-30 ~ +70
QCCQ-150-225	150~225	1.8	36	1.3	-30 ~ +70
QCCQ-170-200	170~200	1	40	1.25	-30 ~ +70
QCCQ-180-220	180~220	1	40	1.25	-30 ~ +70
QCCQ-200-270	200~270	2	36	1.3	-30 ~ +70

Power Handling

Forward/Reverse Power: 100W
 Forward/Reverse Power*1: 200W

Mechanical

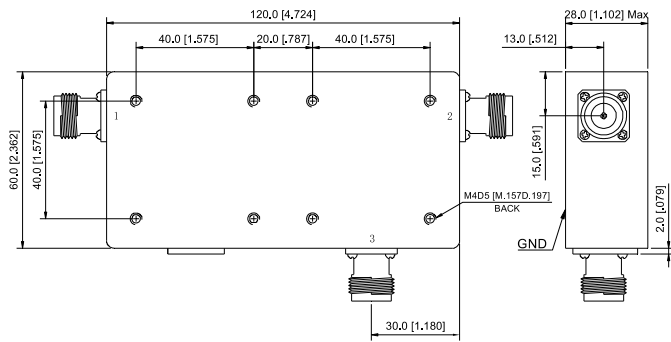
Size*2: 120.0*60.0*28.0mm
 4.724*2.362*1.102in

Connectors: N, SMA

[1] Optional for some N-connector circulators.

[2] Exclude connectors and terminations.

Outline Drawings



Unit: mm [inch]

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

How To Order

QCCQ-X-Y-Z-D

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

High power option - Add '-O' at the end of the part number.

Examples:

To order a QCCQ series circulator, 45-50MHz, N female, specify QCCQ-45-50-N-D.

Customization is available upon request.