

# QCCF

## High Power, High Isolation

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

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

### Description

QCCF series coaxial circulators cover frequency range 250~1500MHz. 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)
QCCF-250-260	250~260	0.6	20	1.25	-30 ~ +70
QCCF-289-359	289~359	0.5	20	1.25	-30 ~ +70
QCCF-300-400	300~400	0.6	18	1.3	-30 ~ +70
QCCF-350-400	350~400	0.35	23	1.2	-30 ~ +70
QCCF-350-500	350~500	0.6	16	1.4	-20 ~ +60
QCCF-400-430	400~430	0.25	25	1.15	-30 ~ +70
QCCF-400-500	400~500	0.35	20	1.25	-30 ~ +70
QCCF-400-512	400~512	0.5	20	1.25	-30 ~ +70
QCCF-440-470	440~470	0.25	25	1.15	-30 ~ +70
QCCF-470-650	470~650	0.6	18	1.3	-30 ~ +70
QCCF-450-600	450~600	0.5	18	1.3	-30 ~ +70
QCCF-500-700	500~700	0.5	18	1.3	-30 ~ +70
QCCF-690-1000	690~1000	0.6	18	1.3	-30 ~ +70
QCCF-700-1000	700~1000	0.6	18	1.3	-30 ~ +70
QCCF-850-1150	850~1150	0.5	20	1.25	-30 ~ +70
QCCF-1200-1300*1	1200~1300	0.3	23	1.2	-30 ~ +70

[1] Forward Power is up to 400W for N-M connector circulators, Reverse Power is 30W for N-F connector circulators.

### Power Handling

Forward Power\*2: 100W  
 Forward Power\*3: 300W  
 Reverse Power\*2: 100W  
 Reverse Power\*3: 300W

[2] SMA connector.

[3] N connector.

### Mechanical

Size\*4: 45.0\*50.0\*24.0mm  
 1.772\*1.969\*0.591in  
 Connectors: N, SMA

[4] Exclude connectors.

### How To Order

#### QCCF-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

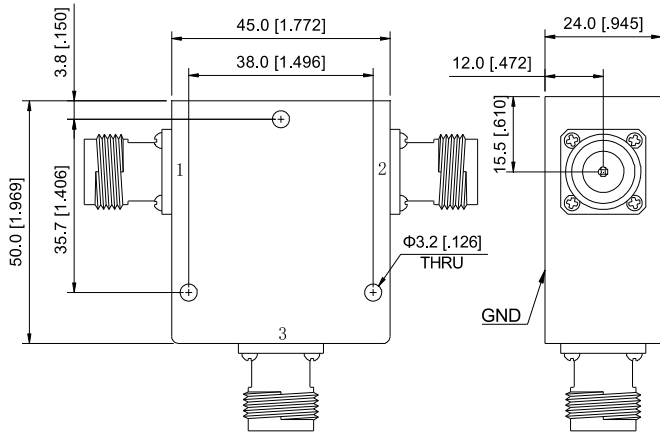
Examples:

To order a QCCF series circulator, 250-260MHz, N female,

specify QCCF-250-260-N.

Customization is available upon request.

### Outline Drawings



Unit: mm [inch]

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