

## QCCS

### High Power, High Isolation

#### Features:

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

#### Applications:

- \* Wireless
- \* Radar
- \* Laboratory Test

### Description

QCCS series Dual Junction Coaxial Circulators cover frequency range 250~1300MHz. 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)
QCCS-300-350	300~350	0.6	45	1.2	-30 ~ +70
QCCS-350-400	350~400	0.6	45	1.2	-30 ~ +70
QCCS-400-470	400~470	0.8	45	1.2	-30 ~ +70
QCCS-400-430	400~430	0.5	50	1.15	-30 ~ +70
QCCS-440-470	440~470	0.5	50	1.15	-30 ~ +70
QCCS-470-570	470~570	0.8	40	1.25	-30 ~ +70
QCCS-480-520	480~520	0.6	45	1.2	-30 ~ +70
QCCS-570-670	570~670	0.8	40	1.25	-30 ~ +70
QCCS-670-770	670~770	0.8	40	1.25	-30 ~ +70
QCCS-700-1000	700~1000	1.2	36	1.3	-30 ~ +70
QCCS-1200-1300	1200~1300	0.6	40	1.25	-30 ~ +70

### Power Handling

Forward Power <sup>*1</sup> :	100W
Forward Power <sup>*2</sup> :	400W
Reverse Power <sup>*1</sup> :	100W
Reverse Power <sup>*2</sup> :	400W

[1] SMA connector.

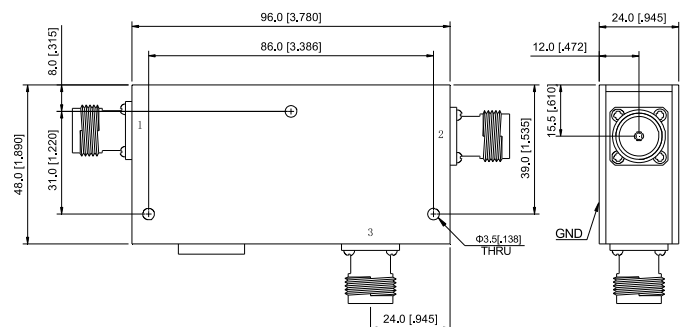
[2] N connector.

### Mechanical

Size <sup>*3</sup> :	96.0*48.0*24.0mm
	3.780*1.890*0.945in
Connectors:	N, SMA

[3] Exclude connectors and terminations.

### Outline Drawings



Unit: mm [inch]

Tolerance: ±0.2mm [±0.008in]

### How To Order

#### QCCS-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

Examples:

To order a QCCS series circulator, 300-350MHz, N female,  
specify QCCS-300-350-N-D.

Customization is available upon request.