

QCCK

High Power, High Isolation

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

Applications:
 * Wireless
 * Radar
 * Laboratory Test

Description

QCCK series coaxial circulators cover frequency range 700-5000MHz. 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)
QCCK-700-750	700~750	0.4	20	1.25	-30 ~ +70
QCCK-869-894	869~894	0.3	23	1.2	-30 ~ +70
QCCK-925-960	925~960	0.3	23	1.2	-30 ~ +70
QCCK-1200-1400*1	1200~1400	0.35	20	1.25	-40 ~ +85
QCCK-1400-1600	1400~1600	0.35	21	1.25	-30 ~ +70
QCCK-1700-2200	1700~2200	0.5	18	1.3	-30 ~ +70
QCCK-1700-1900	1700~1900	0.35	21	1.25	-30 ~ +70
QCCK-1900-2200	1900~2200	0.35	21	1.25	-30 ~ +70
QCCK-2000-2500	2000~2500	0.5	20	1.25	-30 ~ +70
QCCK-2000-2700	2000~2700	0.5	18	1.3	-30 ~ +70
QCCK-2300-2500	2300~2500	0.3	23	1.2	-40 ~ +85
QCCK-2300-3000	2300~3000	0.5	18	1.3	-40 ~ +85
QCCK-2400-2600	2400~2600	0.3	23	1.2	-40 ~ +85
QCCK-2500-2700	2500~2700	0.3	23	1.2	-40 ~ +85
QCCK-2600-3300	2600~3300	0.5	18	1.3	-30 ~ +70
QCCK-2700-3100	2700~3100	0.4	20	1.25	-40 ~ +85
QCCK-2850-3300	2850~3300	0.4	20	1.25	-40 ~ +85
QCCK-3000-3600	3000~3600	0.4	20	1.25	-40 ~ +85
QCCK-3400-4200	3400~4200	0.4	20	1.25	-40 ~ +85
QCCK-3500-4000	3500~4000	0.4	20	1.25	-40 ~ +85
QCCK-4000-4600	4000~4600	0.4	20	1.25	-40 ~ +85
QCCK-4400-5000	4400~5000	0.4	20	1.25	-40 ~ +85

[1] Power is up to 150W for SMA-connector circulators.

Power Handling

Forward Power*2: 100W
 Forward Power*3: 200W
 Reverse Power*2: 100W
 Reverse Power*3: 200W

[2] SMA connector.

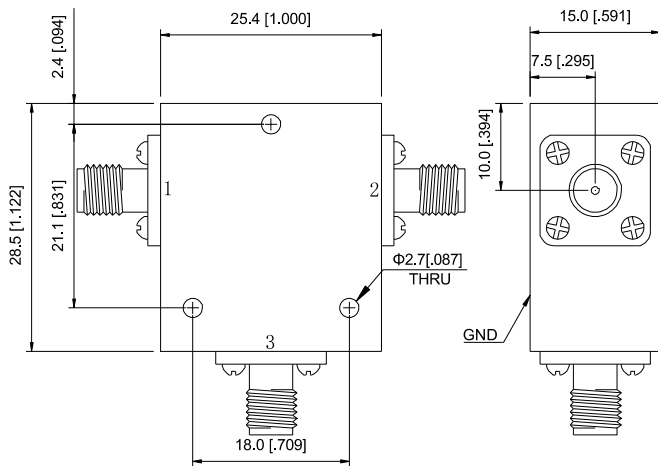
[3] N connector.

Mechanical

Size*4: 25.4*28.5*15.0mm
 1.000*1.122*0.591in
 Connectors: N, SMA

[4] Exclude connectors.

Outline Drawings



Unit: mm [inch]

Tolerance: ± 0.2 mm [± 0.008 in]

How To Order

QCCK-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 QCCK series circulator, 700-750MHz, N female, specify QCCK-700-750-N.

Customization is available upon request.