

QCCU High Power, High Isolation

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

Applications:
 * Wireless
 * Radar
 * Laboratory Test

Description

QCCU series Dual Junction Coaxial Circulators cover frequency range 700~3500MHz. 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)
QCCU-800-900*1	800~900	0.8	40	1.25	-30 ~ +70
QCCU-925-960	925~960	0.6	45	1.2	-30 ~ +70
QCCU-960-1215*1	960~1215	0.8	40	1.25	-30 ~ +70
QCCU-1350-1500*2	1350~1500	0.6	40	1.25	-40 ~ +85
QCCU-1450-1700	1450~1700	0.8	40	1.25	-20 ~ +65
QCCU-1600-1700	1600~1700	0.6	50	1.15	-30 ~ +70
QCCU-1600-2000*1	1600~2000	1	36	1.3	-20 ~ +65
QCCU-1700-2200	1700~2200	1	36	1.3	-30 ~ +70
QCCU-1710-1785	1710~1785	0.6	50	1.15	-30 ~ +70
QCCU-1800-2400	1800~2400	1	36	1.3	-40 ~ +70
QCCU-2000-2500	2000~2500	0.8	40	1.25	-40 ~ +70
QCCU-2000-2700	2000~2700	1	36	1.3	-40 ~ +70
QCCU-2110-2170	2110~2170	0.6	50	1.15	-40 ~ +85
QCCU-2300-2500	2300~2500	0.6	45	1.2	-40 ~ +85
QCCU-2400-2600	2400~2600	0.6	45	1.2	-40 ~ +85
QCCU-2500-2700	2500~2700	0.6	45	1.2	-40 ~ +85
QCCU-2900-3100	2900~3100	0.7	40	1.3	-40 ~ +85
QCCU-3100-3500	3100~3500	0.7	40	1.3	-40 ~ +85

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

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

Power Handling

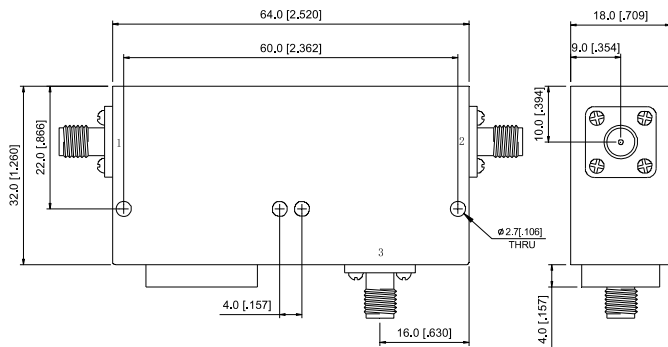
Forward Power: 100W
 Reverse Power: 100W

Mechanical

Size^{*3}: 64.0*32.0*18.0mm
 2.520*1.260*0.709in
 Connectors: N, SMA

[3] Exclude connectors and terminations.

Outline Drawings



Unit: mm [inch]

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

How To Order

QCCU-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 QCCU series circulator, 800-900MHz, N female, specify QCCU-800-900-N-D.

Customization is available upon request.