

QCC2528X

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

Description

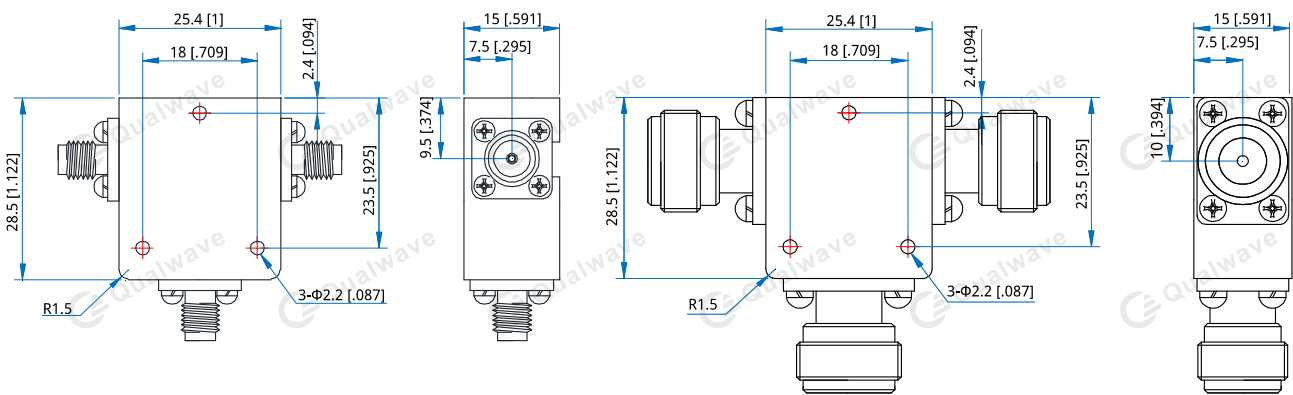
QCC2528X series Coaxial Circulators cover frequency range 1.03~3.1GHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

Specifications

Frequency (MHz)	Bandwidth (MHz)	IL (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Average Power (W)	Connector	Temperature (°C)
1030~1090	60	0.40	20.0	1.25	100	SMA	-30~+75
1200~1400	200	0.50	18.0	1.30	100	SMA	-30~+70
1200~1600	400	0.70	16.0	1.40	100	SMA	-30~+75
1400~1800	400	0.50	18.0	1.30	100	SMA	-30~+70
1800~2000	200	0.50	18.0	1.30	100	SMA	-30~+70
2000~2400	400	0.50	18.0	1.30	100	SMA	-30~+70
2400~2500	100	0.50	20.0	1.25	100	N	-30~+70
2400~2600	200	0.50	18.0	1.30	100	SMA	-30~+70
2600~2800	200	0.50	18.0	1.30	100	SMA	-30~+70
2700~3100	400	0.60	18.0	1.30	200 ^{*1}	N	-30~+75

[1] Peak Power 500W, 3μS pulse width.

Outline Drawings



Outline A

Outline B

Unit: mm [inch]

Tolerance: ±0.2mm [±0.008in]

Mechanical

Size^{*2}: 25.4*28.5*15mm
 1*1.122*0.591in

Mounting: 3-Φ2.2mm through-hole

[2] Exclude connectors.

Connector Naming Rules:

- S - SMA Female (Outline A)
- N - N Female (Outline B)

How To Order**QCC2528X-V-W-X-Y-Z**

V: Start frequency in MHz

W: Stop frequency in MHz

X: Average power in W

Y: Connector type

Z: Direction type

Examples:

To order a QCC2528X series Circulator, 1200~1400MHz, 100W, SMA female, Clockwise, specify QCC2528X-1200-1400-K1-S-1.

Customization is available upon request.

Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise