

## QCI10458E

### High Power, High Isolation

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

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

### Description

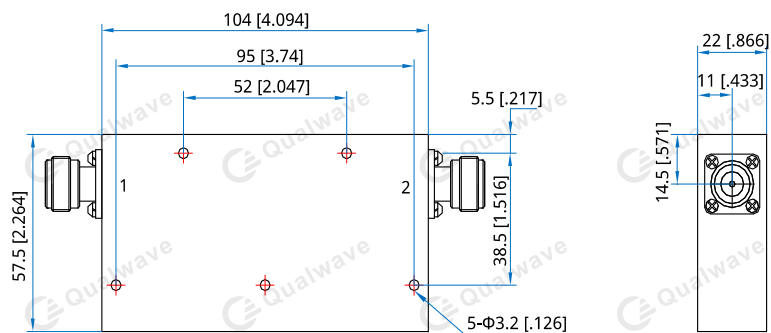
QCI10458E series Coaxial Isolators cover frequency range 180~860MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

### Specifications

Frequency (MHz)	Bandwidth (MHz)	IL (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Fwd Power*1 (W Max.)	Rev Power (W)	Connector	Temperature (°C)
180~200	20	1.0	38.0	1.30	300	10~100	SMA, N	-30~+70
200~220	20	0.8	40.0	1.20	300	10~100	SMA, N	-30~+70
220~240	20	0.8	40.0	1.20	300	10~100	SMA, N	-30~+70
260~280	20	0.8	45.0	1.20	300	10~100	SMA, N	-30~+70
300~360	60	1.0	40.0	1.25	300	10~100	SMA, N	-30~+70
360~400	40	1.0	40.0	1.25	300	10~100	SMA, N	-30~+70
390~400	10	0.6	50.0	1.25	300	10~100	SMA, N	-30~+70
420~430	10	0.6	50.0	1.20	300	10~100	SMA, N	-30~+70
430~470	40	0.8	45.0	1.20	300	10~100	SMA, N	-30~+70
460~470	10	0.6	50.0	1.20	300	10~100	SMA, N	-30~+70
851~866	15	0.6	50.0	1.20	300	10~100	SMA, N	-30~+70

[1] The connector is SMA, and the maximum forward power can only reach 100W.

### Outline Drawings



Unit: mm [inch]      Tolerance: ±0.2mm [±0.008in]

### Mechanical

Size\*2: 104\*57.5\*22mm  
 4.094\*2.264\*0.866in

Mounting: 5-Φ3.2mm through-hole

[2] Exclude connectors and terminations.

### Connector Naming Rules:

N - N Female

### Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise

### How To Order

#### QCI10458E-U-V-W-X-Y-Z

U: Start frequency in MHz

V: Stop frequency in MHz

W: Forward power in W

X: Reverse power in W

Y: Connector type

Z: Direction type

#### Examples:

To order a QCI10458E series Isolator, 180~200MHz, Forward power 300W, Reverse power 100W, N female, Clockwise, specify QCI10458E-180-200--K3-K1-N-1.

Customization is available upon request.