

## QCI23085H

### High Power, High Isolation

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

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

### Description

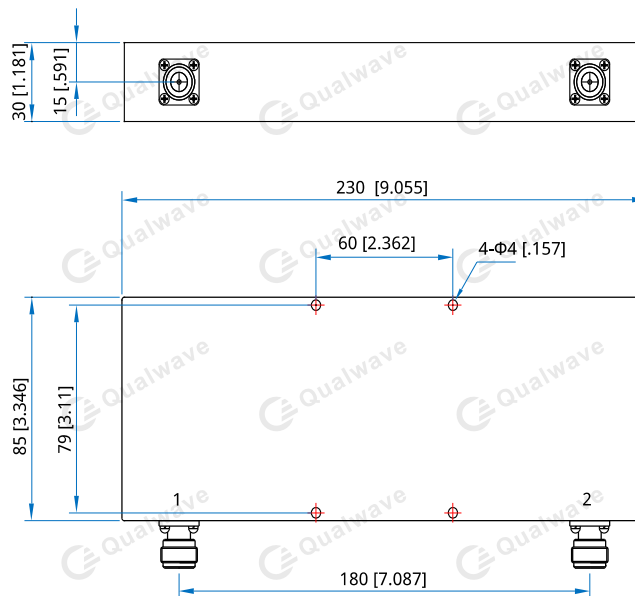
QCI23085H series Coaxial Isolators cover frequency range 70~230MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

### Specifications

Frequency (MHz)	Bandwidth (MHz)	IL (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Fwd Power*1 (W Max.)	Rev Power (W)	Connector	Temperature (°C)
87~108	21	1.80	60.0	1.25	150	100	SMA, N	-30~+75
116~138	22	1.80	60.0	1.25	150	100	SMA, N	-30~+75
130~180	50	1.80	60.0	1.25	150	100	SMA, N	-30~+75
136~154	18	1.80	70.0	1.25	150	100	SMA, N	-30~+75
154~176	22	1.80	70.0	1.25	150	100	SMA, N	-30~+75
136~174	38	1.80	60.0	1.25	150	100	SMA, N	-30~+75
150~200	50	1.80	60.0	1.25	150	100	SMA, N	-30~+75
170~230	60	1.80	60.0	1.25	150	100	SMA, N	-30~+75

[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

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Size\*2: 230\*85\*30mm  
9.055\*3.346\*1.181in

Mounting: 4- $\Phi$ 4mm through-hole

[2] Exclude connectors and terminations.

## Connector Naming Rules:

N - N Female

S - SMA Female

## Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise

## How To Order

### QCI23085H-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 QCI23085Hseries Isolator, 87~108MHz, Forward power 150W, Reverse power 100W, N female, Clockwise, specify QCI23085H-87-108-K15-K1-N-1.

Customization is available upon request.