

# QCI1220C

## High Power, High Isolation

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

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

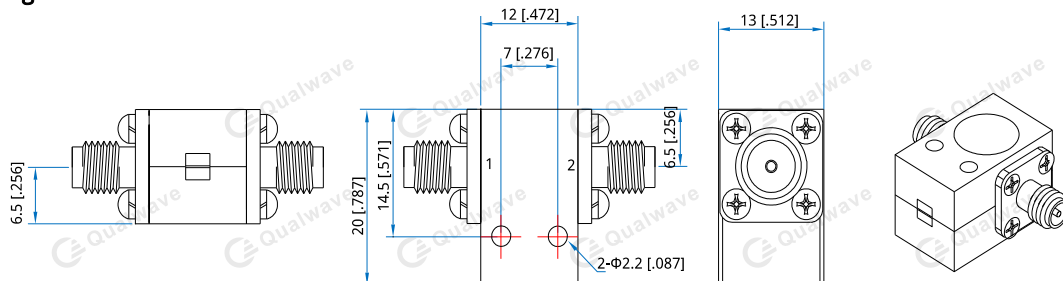
### Description

QCI1220C series Coaxial Isolators cover frequency range 9-16.5GHz. 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 (W Max.)	Rev Power (W)	Connector	Temperature (°C)
9300-9500	200	0.30	23.0	1.25	30	5	SMA	-30~+70
10500-12500	2000	0.40	20.0	1.25	30	5	SMA	-30~+70
10700-12750	2050	0.50	20.0	1.25	20	5	SMA	-30~+70
10700-12800	2100	0.40	20.0	1.25	30	5	SMA	-30~+70
12700-14900	2200	0.50	19.0	1.30	30	5	SMA	-30~+70
14500-16500	2000	0.40	20.0	1.25	30	5	SMA	-30~+70

### Outline Drawings



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

### Mechanical

Size<sup>\*1</sup>: 12\*20\*13mm  
 0.472\*0.787\*0.512in

Mounting: 2-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

### Connector Naming Rules:

S - SMA Female

### Direction Naming Rules:

1 - Clockwise  
 2 - Anticlockwise

### How To Order

#### QCI1220C-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 QCI1220C series Isolator, 9.3-9.5GHz, Forward power 30W, Reverse power 5W, SMA female, Clockwise, specify QCI1220C-9300-9500-30-5-S-1.

Customization is available upon request.