

QCI9650H

High Power, High Isolation

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

Applications:
 * Wireless
 * Radar
 * Laboratory Test

Description

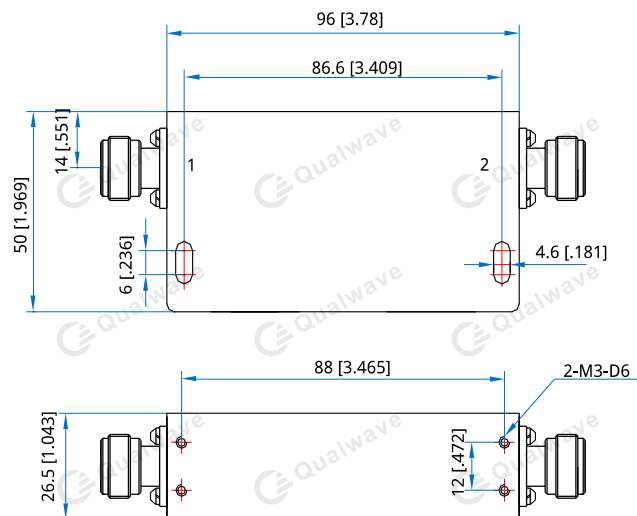
QCI9650H series Coaxial Isolators cover frequency range 350~470MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

Specifications

| Frequency (MHz) | Bandwidth (MHz) | IL (dB Max.) | Isolation (dB Min.) | VSWR (Max.) | Fwd Power* ¹ (W Max.) | Rev Power (W) | Connector | Temperature (°C) |
|-----------------|-----------------|--------------|---------------------|-------------|----------------------------------|---------------|-----------|------------------|
| 350~370 | 20 | 0.50 | 50.0 | 1.20 | 150 | 100 | SMA, N | -30~+70 |
| 361~366 | 5 | 0.40 | 60.0 | 1.15 | 150 | 100 | SMA, N | -30~+70 |
| 380~400 | 20 | 0.60 | 50.0 | 1.20 | 150 | 100 | SMA, N | -30~+70 |
| 400~430 | 30 | 0.60 | 50.0 | 1.20 | 150 | 100 | SMA, N | -30~+70 |
| 400~470 | 70 | 0.70 | 40.0 | 1.25 | 150 | 100 | SMA, N | -30~+70 |
| 438~448 | 10 | 0.60 | 50.0 | 1.20 | 150 | 100 | SMA, N | -30~+70 |
| 443~453 | 10 | 0.60 | 50.0 | 1.20 | 150 | 100 | SMA, N | -30~+70 |
| 450~470 | 20 | 0.60 | 50.0 | 1.20 | 150 | 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: 96*50*26.5mm
3.78*1.969*1.043in

Mounting: 2-M3, depth 6mm

[2] Exclude connectors and terminations.

Connector Naming Rules:

N - N Female

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order

QCI9650H-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 QCI9650H series Isolator, 361~366MHz, Forward power 150W, Reverse power 100W, N female, Clockwise, specify QCI9650H-361-366-K15-K1-N-1.

Customization is available upon request.