

NCI7448H

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

Description

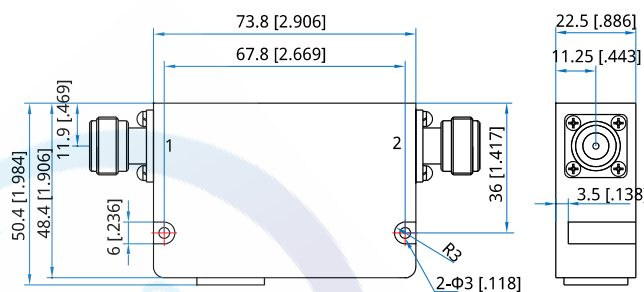
NCI7448H series Coaxial Isolators cover frequency range 450~2700MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

Specifications

Frequency (MHz)	Bandwidth (MHz)	IL (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Fwd Power*1 (W Max.)	Rev Power (W)	Connector	Temperature (°C)
450~470	20	0.80	45.0	1.25	250	10~100	SMA, N	-30~+70
725~825	100	0.80	40.0	1.20	250	10~100	SMA, N	-30~+70
805~824	19	0.50	60.0	1.20	250	10~100	SMA, N	-30~+70
850~869	19	0.50	60.0	1.20	250	10~100	SMA, N	-30~+70
860~960	100	0.80	40.0	1.20	250	10~100	SMA, N	-30~+70
1800~2170	370	0.80	40.0	1.25	250	10~100	SMA, N	-30~+70
2110~2170	60	0.60	50.0	1.20	250	10~100	SMA, N	-30~+70
2300~2700	400	0.80	38.0	1.25	250	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: $\pm 0.2\text{mm}$ [$\pm 0.008\text{in}$]



Dual Junction Coaxial Isolators

Mechanical

Size^{*2}: 73.8*48.4*22.5mm
2.906*1.906*0.886in

Mounting: 2- Φ 3mm through-hole

[2] Exclude connectors and terminations.

Connector Naming Rules:

N - N Female

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order

NCI7448H-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 NCI7448H series Isolator, 450~470MHz, Forward power 200W, Reverse power 100W, N female, Clockwise, specify NCI7448-450-470-K2-K1-N-1.

Customization is available upon request.