

NCI9648H

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

Description

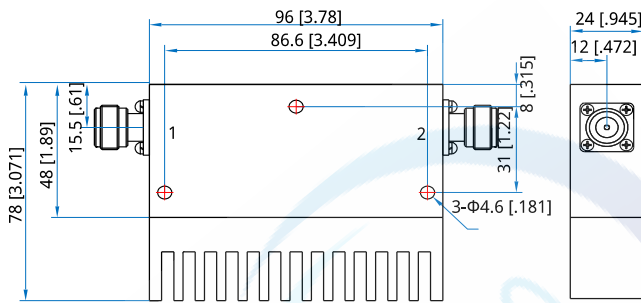
NCI9648H series Coaxial Isolators cover frequency range 350~470MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

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: $\pm 0.2\text{mm}$ [$\pm 0.008\text{in}$]

Mechanical

Size*2: 96*48*24mm

3.78*1.89*0.945in

Mounting: 3-Φ4.6mm through-hole

[2] Exclude connectors and terminations.

Connector Naming Rules:

N - N Female

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order

NCI9648H-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 NCI9648H series Isolator, 350~370MHz, Forward power 150W, Reverse power 100W, N female, Clockwise, specify NCI9648H-350-370-K15-K1-N-1.

Customization is available upon request.