

NCT18K1

DC~18GHz, 100W

Features:

- * Low VSWR
- * Broadband

Applications:

- * Transmitters
- * Antennas
- * Laboratory Test
- * Impedance Matching



Electrical

Frequency Range: DC~18GHz
 Average Power^{*1}: 100W@25°C
 Impedance: 50Ω

[1] Derated linearly to 5W@120°C.

VSWR

| Frequency (GHz) | VSWR (max.) |
|-----------------|-------------|
| DC~4 | 1.15 |
| 4~8 | 1.20 |
| 8~12.4 | 1.25 |
| 12.4~18 | 1.35 |

Mechanical

Size^{*2}: Φ64*121mm
 Φ2.52*4.764in

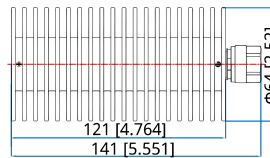
Connector: N, SMA

[2] Exclude connectors.

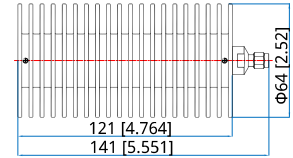
Environmental

Temperature: -55~+125°C

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±1.5mm [±0.06in]

How To Order

NCT18K1-X-Y

X: Frequency in GHz

Y: Connector type

Connector naming rules:

N - N male (Outline A)

S - SMA male (Outline B)

Examples:

To order a termination, DC-4GHz, N male, specify

NCT18K1-4-N.

Customization is available upon request.