

## NCT18K5

DC~18GHz, 500W

Features:  
 \* Low VSWR  
 \* Broadband

Applications:  
 \* Transmitters  
 \* Antennas  
 \* Laboratory Test  
 \* Impedance Matching



### Electrical

Frequency Range: DC~18GHz  
 Average Power<sup>\*1</sup>: 500W@25°C  
 Impedance: 50Ω

[1] Derated linearly to 25W@120°C.

### VSWR

Frequency (GHz)	VSWR (max.)
DC~4	1.2
4~8	1.25
8~12.4	1.35
12.4~18	1.6

### Mechanical

Size<sup>\*2</sup>: 509\*120\*110mm  
 20.039\*4.724\*4.331in

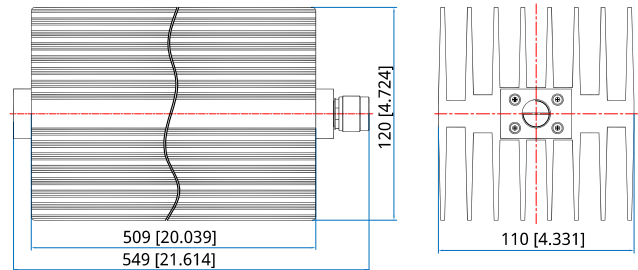
Connector: N

[2] Exclude connectors.

### Environmental

Temperature: -55~+125°C

### Outline Drawings



Unit: mm [in]  
 Tolerance: ±1mm [±0.04in]

### How To Order

**NCT18K5-X-Y**  
 X: Frequency in GHz  
 Y: Connector type

Connector naming rules:

N - N male  
 NF - N female

Examples:

To order a termination, DC-12.4GHz, N male, specify NCT18K5-12.4-N

Customization is available upon request.



## Connector Names

<b>1</b>	<b>1.0mm (110GHz)</b>	<b>K</b>	<b>2.92mm (40GHz)</b>
<b>2</b>	<b>2.4mm (50GHz)</b>	<b>L</b>	<b>L27</b>
<b>3</b>	<b>3.5mm (33GHz)</b>	<b>M</b>	<b>MCX (6GHz)</b>
<b>4</b>	<b>4.3/10 (8GHz)</b>	<b>N</b>	<b>N (18GHz)</b>
<b>7</b>	<b>7/16 DIN (L29)</b>	<b>P</b>	<b>SMP (40GHz)</b>
<b>A</b>	<b>SSMA (40GHz)</b>	<b>Q</b>	<b>QMA</b>
<b>B</b>	<b>BNC (4GHz)</b>	<b>S</b>	<b>SMA (26.5GHz)</b>
<b>E</b>	<b>SC (11GHz in theory, Usually 6GHz)</b>	<b>T</b>	<b>TNC (18GHz)</b>
<b>G</b>	<b>Mini-SMP (mateable with GPPO &amp; SSMP, 65GHz)</b>	<b>V</b>	<b>1.85mm (67GHz)</b>
<b>I</b>	<b>BMA (18GHz)</b>	<b>X</b>	<b>MMCX (40GHz)</b>
<b>J</b>	<b>APC-7 (7mm,18GHz)</b>		

## Gender

M: Male (Plug)

F: Female (Jack)

## Multiple Connectors

Some parts have several connectors. Most parts have their default connector options. Abbreviation naming is applied for default connector options. In full naming, it is name-gender pairs. For example: “SM” stand for SMA Male connector, and “NF” means N Female connector.

