

NCT18K5

DC~18GHz, 500W

Features:
 * Low VSWR
 * Broadband

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



Electrical

Frequency Range: DC~18GHz
 Average Power^{*1}: 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^{*2}: 509*120*110mm
 20.039*4.724*4.331in

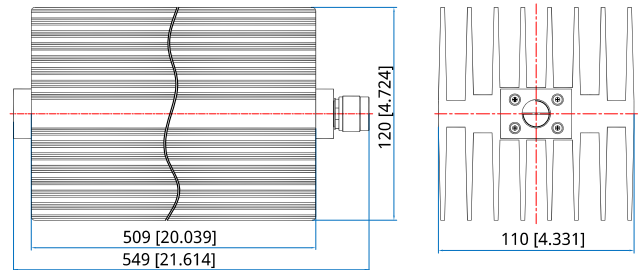
Connector: N

[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

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

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.