

NFA18K5

DC~18GHz, 500W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test
- * Radar



Electrical

Frequency:	DC~18GHz
Attenuation:	3, 10~60dB
Impedance:	50Ω
Average Power*1:	500W@25°C max.
Peak Power:	5KW (5μS pulse width, 5% duty cycle) @N DC~12.4GHz 1KW (5μS pulse width, 25% duty cycle) @N 18GHz

[1] Derated linearly to 25W@120°C.

Mechanical

RF Connectors: N Male, N Female

Environmental

Temperature: -55~+125°C

Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)							VSWR (max.)
	3	10	20	30	40	50	60	
DC~3	-0.6/+1.5	-	-	-	-	-	-	1.25
DC~4	+2.3	-0.6/+1.5	1.2	1.0	1.0	1.0	1.0	1.25
DC~8	+3.5	-0.5/+2.0	2.0	1.5	1.1	1.1	1.1	1.30
DC~12.4	-	3.0	2.0	-1.5/+2.0	1.2	1.2	1.2	1.35
DC~18	-	6.0	5.0	0/+6.0	1.5	1.5	1.5	1.5

How To Order

NFA18K5-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

Examples:

To order an attenuator, DC~18GHz, N male to N female, 30dB attenuation, specify NFA18K5-18-30-N.

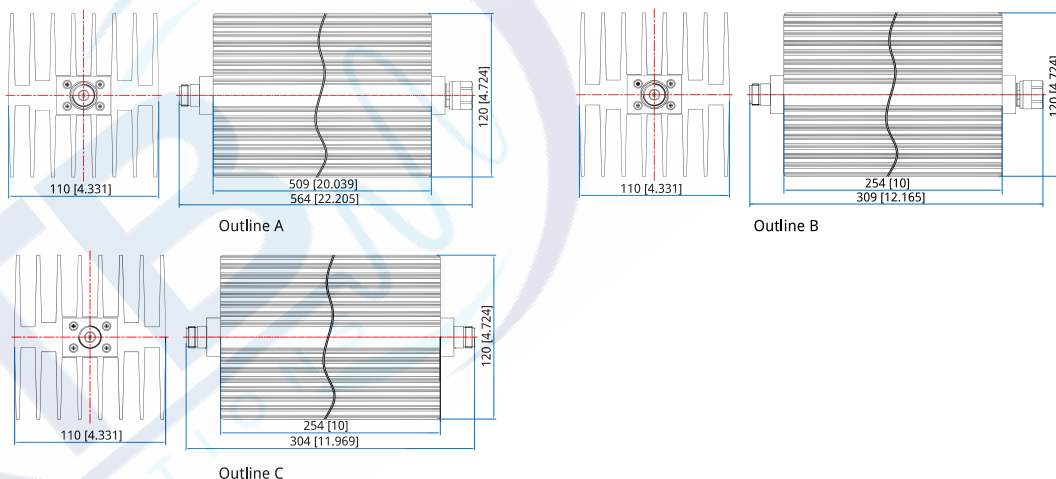
Connector naming rules:

N - N male to N female, 10~60dB, DC~18GHz (Outline A)

N - N male to N female, 3dB, DC~3GHz (Outline B)

NFNF - N female to N female, 3dB, DC~8GHz (Outline C)

Outline Drawings



Unit: mm [in]

Tolerance: ±2mm [±0.08in]