

NFA18K4

DC~18GHz, 400W

- Features:
- * Low VSWR
 - * High Attenuation Flatness

- Applications:
- * Wireless
 - * Transmitter
 - * Laboratory Test
 - * Radar



Electrical

Frequency:	DC~18GHz
Attenuation:	3dB, 6dB, 10~60dB
Impedance:	50Ω
Average Power*1:	400W@25°C
Peak Power:	5KW (5μS pulse width, 4% duty cycle) @DC~12.4GHz 1KW (5μS pulse width, 20% duty cycle) @18GHz

[1] Derated linearly to 20W@120°C.

Mechanical

RF Connectors: N Male, N Female

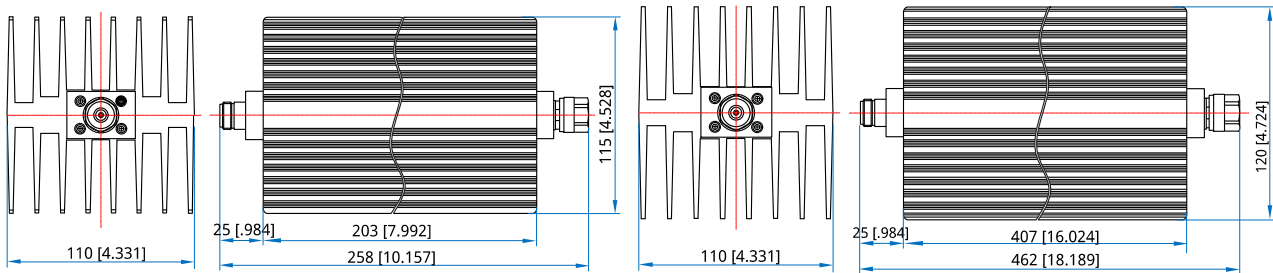
Environmental

Temperature: -55~+125°C

Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)									VSWR (max.)
	3	6	10	20	30	40	50	60		
DC~4	0/+1.6	-0.6/+1.5	-0.6/+1.2	1.2	0.8	0.9	0.9	0.9	0.9	1.20
DC~8	0/+3.0	-1.0/+4.0	-1.0/+4.0	1.5	0.9	0.9	0.9	0.9	0.9	1.25
DC~12.4	0/+5.0	-1.0/+7.0	-1.0/+7.0	2.0	1.0	1.1	1.1	1.1	1.1	1.35
DC~18	0/+7.0	-1.0/+9.0	-1.0/+12.0	4.5	1.5	1.5	1.5	1.5	1.5	1.45

Outline Drawings



Outline A

Outline B

Unit: mm [in] Tolerance: ±2mm [±0.08in]

How To Order

NFA18K4-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB

3dB, 6dB, DC~18GHz - Outline A

10~60dB, DC~18GHz - Outline B

Z: Connector type

Examples:

To order an attenuator, DC-18GHz, N male to N female, 30dB attenuation, specify NFA18K4-18-30-N.

Connector naming rules:

N - N