

NFA18K2

DC~18GHz, 200W

Features:
 * Low VSWR
 * High Attenuation Flatness

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar



Electrical

Frequency: DC~18GHz
 Attenuation: 3, 6, 10~60dB
 Impedance: 50Ω
 Average Power*¹: 200W@25°C max.
 Peak Power: 5KW (5μS pulse width, 2% duty cycle) @DC~12.4GHz
 1KW (5μS pulse width, 10% duty cycle) @18GHz

[1] Derated linearly to 10W@120°C.

Mechanical

RF Connectors: N Male, N Female

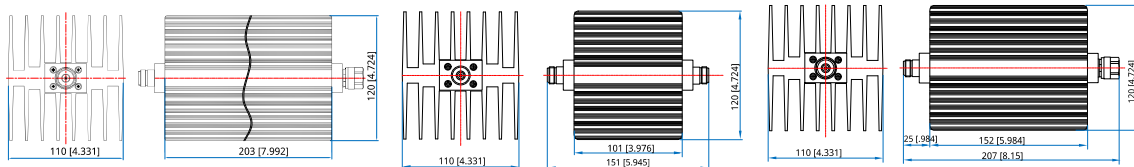
Environmental

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/+1.5 | 0.7 | 0.7 | 0.7 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 1.20 |
| DC~8 | -0/+2 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.25 |
| DC~12.4 | 1.2 | 0.9 | 1.5 | 0.9 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.35 |
| DC~18 | -1/+5 | 2.5 | 3.5 | 2.5 | 1.5 | 1.3 | 1.4 | 1.4 | 1.4 | 1.45 |

Outline Drawings



Outline A

Outline B

Outline C

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

How To Order

NFA18K2-X-Y-Z

X: Frequency in GHz
 Y: Attenuation in dB
 Z: Connector type

Connector and shape naming rules:
 N - N , 6dB(Outline C), 10~60dB(Outline A)
 NFN - N Female, 3dB(Outline B)

Examples:

To order an attenuator, DC-18GHz, N male to N female, 10dB attenuation, cuboid, specify NFA18K2-18-10-N1.