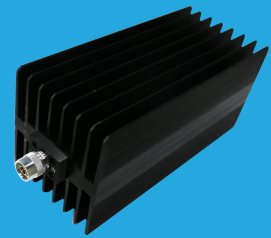


# FFA18K2

## 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\*<sup>1</sup>: 200W@25°C max.  
 Peak Power: 5KW (5μS pulse width, 2% duty cycle) @DC~12.4GHz  
 1KW (5μS pulse width, 5% duty cycle) @18GHz

[1] Derated linearly to 10W@120°C.

### Mechanical

RF Connectors: N Male, N Female

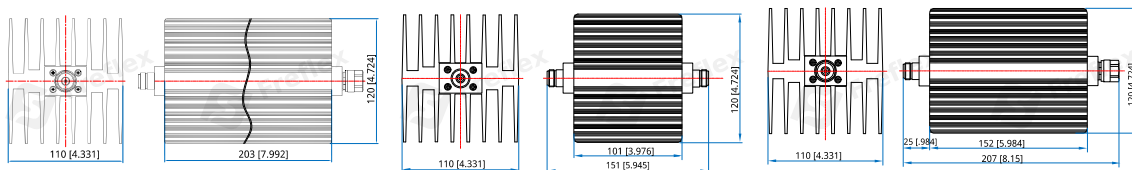
### Environmental

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



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

### How To Order

**FFA18K2-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)

NFNF - N Female, 3dB(Outline B)

Examples:

To order an attenuator, DC-18GHz, N male to N female, 10dB attenuation, cuboid, specify FFA18K2-18-10-N1.