

**NFA014K**  
DC~1GHz, 4000W

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|---|---|
| <b>Features:</b><br>* Low VSWR<br>* High Attenuation Flatness | <b>Applications:</b><br>* Wireless<br>* Transmitter<br>* Laboratory Test<br>* Radar |
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**Electrical**

Frequency:	DC~1GHz
Attenuation:	20, 30, 40, 50dB
Impedance:	50Ω
Average Power:	4000W@25°C max.
Peak Power:	100KW (10μS pulse width)

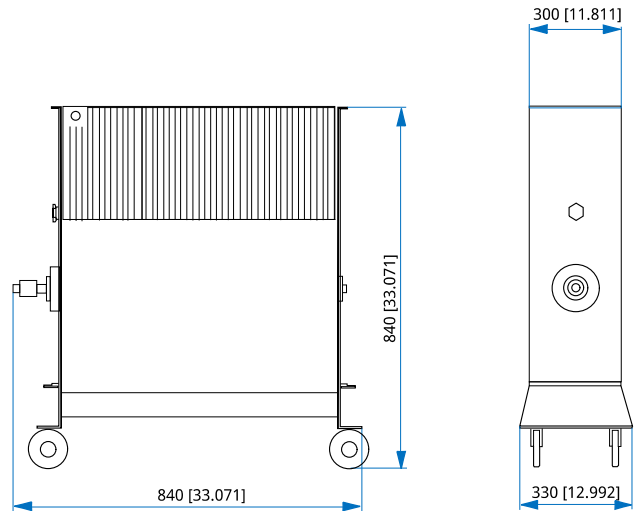
**Mechanical**

Size:	840*330*840mm 33.071*12.992*33.071in
RF Connectors:	7/16 DIN female N female
Housing:	Aluminum
Outer Conductor:	Nickel Plated Brass
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated phosphor copper
Cooling:	Oil cooling and air cooling

**Environmental**

Temperature:	-40~+45°C
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**Outline Drawings**



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

**Expain:**  
Replace the hexagon nut with the exhaust valve before startup, and replace the exhaust valve with the hexagon nut during transportation.

**Attenuation Accuracy and VSWR**

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)				VSWR (max.)
	20	30	40	50	
DC~0.5	/	±1.0	±1.0	±1.0	1.25,
0.5~1	/	/	/	/	1.40

**How To Order**

**NFA014K-X-Y-Z**

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

Connector naming rules:  
7F - 7/16 DIN female  
NF - N DIN female

Examples:  
To order an attenuator, DC~1GHz, 7/16 DIN female to N female, 30dB attenuation, specify NFA014K-1-30-7FNF.