

# FFA1825

## DC~18GHz, 25W


**Features:**

- \* Low VSWR
- \* High Attenuation Flatness

**Applications:**

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

**Electrical**

Frequency:	DC~18GHz
Attenuation:	1~50dB
Impedance:	50Ω
Average Power* <sup>1</sup> :	25W@25°C

[1] Derated linearly to 1.25W@120°C.

**Mechanical**

Size* <sup>2</sup> :	Φ44*89mm Φ1.732*3.504in
Size* <sup>3</sup> :	Φ44*94mm Φ1.732*3.701in
RF Connectors* <sup>2</sup> :	N Male, N Female
RF Connectors* <sup>3</sup> :	SMA Male, SMA Female

[2] N connectors.

[3] SMA connectors.

**Environmental**

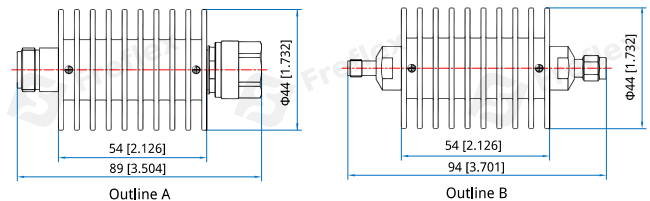
Temperature:	-55~+125°C
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**Peak Power**

Peak Power (W)	Pulse Width (μs)	Duty Cycle (%)	Applicable Scope
500	5	2.5	@SMA,DC~18GHz
5000		1.25	@N,DC~12.4GHz
1000		1.25	@N,18GHz

**Attenuation Accuracy and VSWR**

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)				VSWR (max.)
	1~10	11~20	21~30	40~50	
DC~4	0.4	0.5	0.6	0.7	1.2
DC~8	0.5	0.6	0.8	0.8	1.25
DC~12.4	0.7	0.8	0.9	1.0~1.1	1.35
DC~18	0.8	0.9	1.1	1.2~1.3	1.45

**Outline Drawings**


Unit: mm [in]

Tolerance: ±2mm [±0.08in]

**How To Order**
**FFA1825-X-Y-Z**

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

Connector naming rules:

N - N (Outline A)

S - SMA (Outline B)

Examples:

To order an attenuator, DC-18GHz, N male to N female, 3dB attenuation, specify FFA1825-18-3-N.