NFA1830

DC~18GHz, 30W

Features:
* Low VSWR
* High Attenuation Flatness

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency:	DC~18GHz
Attenuation:	1~40dB
Impedance:	50Ω
Average Power[*1]:	30W@25°C max.

[1] Derated linearly to 1.5W@120°C.

Mechanical

Size[*2]:	Φ38*105mm
	Φ1.496*4.134in
Size[*3]:	Φ38*110mm
	Φ1.496*4.331in
RF Connectors[*2]:	N Male, N Female
RF Connectors[*3]:	SMA Male, SMA Female

[2] N connectors.

[3] SMA connectors.

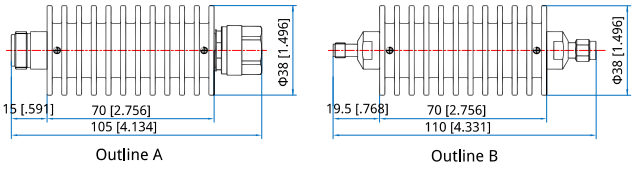
Environmental

Temperature:	-55~+125°C

Peak Power (W)	Pulse Width (μS)	Duty Cycle (%)	Applicable Scope
500	5	6	@SMA,DC~18GHz
5000		0.15	@N,DC~12.4GHz
1000		0.15	@N,18GHz

Peak Power

Outline Drawings



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

How To Order

NFA1830-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 NFA1830-18-3-N.

Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)				VSWR (max.)
	1~10	11~20	21~30	31~40	
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	0.6	0.7	0.8	0.9	1.35
DC~18	0.8	0.9	1.2	1.5	1.45