

NFA1805 DC~18GHz, 5W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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



Electrical

Frequency:	DC~18GHz
Attenuation:	1~60dB
Impedance:	50Ω
Average Power*1:	5W@25°C max.
Peak Power:	500W (5μS pulse width, 0.5% duty cycle) @SMA 500W (5μS pulse width, 0.25% duty cycle) @N

[1] Derated linearly to 0.25W@120°C.

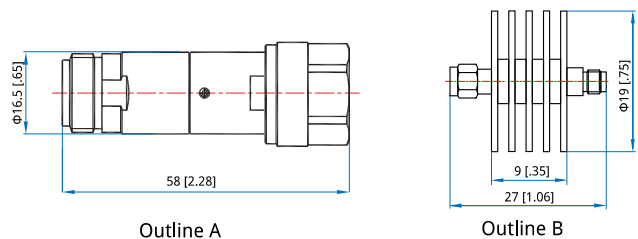
Mechanical

RF Connectors:	N Male, N Female SMA Male, SMA Female
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Environmental

Temperature:	-55~+125°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±2mm [±0.08in]

Attenuation Accuracy and VSWR (N)

Frequency(GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)						VSWR (max.)
z)	1~10	20	30	40	50	60	
DC~4	0.4	0.5	0.6	0.7	0.7	0.8	1.15
DC~8	0.5	0.6	0.8	0.8	0.8	0.9	1.20
DC~12.4	0.6	0.7	0.8	0.9	1.0	1.1	1.30
DC~18	0.7	0.8	1.0	1.2	1.3	1.3	1.35

Attenuation Accuracy and VSWR (SMA)

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

How To Order

NFA1805-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

Examples:

To order an attenuator, DC-18GHz, N male to N female, 3dB attenuation, specify NFA1805-18-3-N.

Connector naming rules:

N - N (Outline A)

S - SMA (Outline B)