

FFA1805

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.

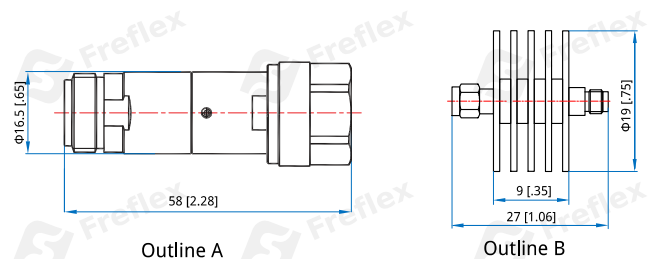
Environmental

Temperature: -55~+125°C

Mechanical

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

Outline Drawings



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

Attenuation Accuracy and VSWR (N)

Frequency(GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)						VSWR (max.)
	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

FFA1805-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 FFA1805-18-3-N.