

QFA1805

DC~18GHz, 5W

Features:
 * Low VSWR
 * High Attenuation Flatness

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar



Electrical

Frequency: DC~18GHz
 Attenuation: 1~40dB
 Impedance: 50Ω
 Average Power*1: 5W@25°C max.

[1] Derated linearly to 0.25W@120°C.

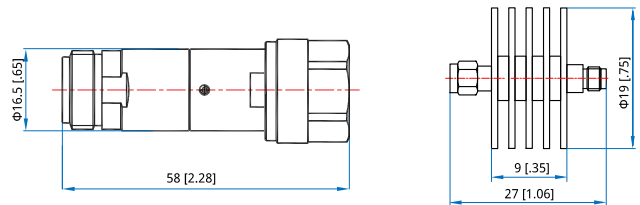
Mechanical

Size*1: Φ16.5*58mm
 Φ0.65*2.28in
 Size*2: Φ19*27mm
 Φ0.75*1.06in
 RF Connectors*1: N Male, N Female
 RF Connectors*2: SMA Male, SMA Female

Environmental

Temperature: -55~+125°C

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	11~20	21~30	31~40	
DC~4	0.4	0.5	0.6	0.7	1.2
4~6	0.5	0.6	0.8	0.8	1.25
6~12.4	0.6	0.7	0.8	0.9	1.35
12.4~18	0.6	0.8	1.0	1.2	1.45

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

QFA1805-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 QFA1805-18-3-N.