

QFA1802

DC~18GHz, 2W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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


Electrical

Frequency:	DC~18GHz
Attenuation:	1~30, 40, 50, 60dB
Impedance:	50Ω
Average Power*1:	2W@25°C max.

[1] Derated linearly to 0.1W@120°C.

Mechanical

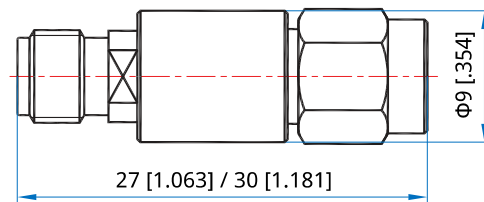
Size*2:	Φ9*27mm Φ0.354*1.063in
Size*3:	Φ9*30mm Φ0.354*1.181in
RF Connectors:	SMA Male, SMA Female

[2] Attenuation=1~30dB.

[3] Attenuation=40, 50, 60dB.

Environmental

Temperature: -55~+125°C

Outline Drawings


Unit: mm [in]

Tolerance: ±2mm [±0.08in]

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	0.7	0.7	0.7	1.2
4~8	0.5	0.6	0.8	0.8	0.8	1.25
8~12.4	0.6	0.7	0.9	0.9	1.0	1.25
12.4~18	0.6	0.8	1.0	1.2	1.5	1.3

How To Order
QFA1802-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

Connector naming rules:

S - SMA

Examples:

To order an attenuator, DC-18GHz, SMA male to SMA female, 30dB attenuation, specify QFA1802-18-30-S.