

QFA1850

DC~18GHz, 50W

Features:
 * Low VSWR
 * High Attenuation Flatness

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar



Electrical

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

[1] Derated linearly to 2.5W@120°C.

Mechanical

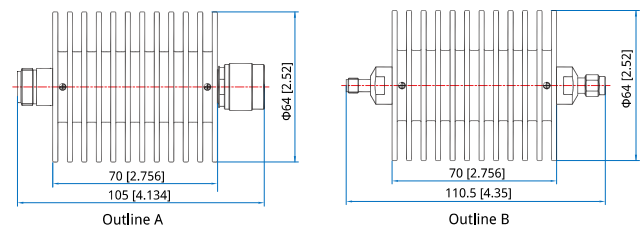
Size*2: Φ64*105mm
 Φ2.52*4.134in
 Size*3: Φ64*110.5mm
 Φ2.52*4.35in
 RF Connectors*2: N Male, N Female
 RF Connectors*3: SMA Male, SMA Female

[2] N connectors.
 [3] SMA connectors.

Environmental

Temperature: -55~+125°C

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	31~50	
DC~4	0.4	0.5	0.7	0.7	1.2
4~8	0.5	0.6	0.8	0.8	1.25
8~12.4	0.6	0.7	0.8	1.1	1.35
12.4~18	0.8	0.9	1.1	1.3	1.45

How To Order

QFA1850-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-12.4GHz, N male to N female, 3dB attenuation, specify QFA1850-12.4-3-N.