

QFA18K1

DC~18GHz, 100W

Features:
 * Low VSWR
 * High Attenuation Flatness

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar



Electrical

Frequency: DC~18GHz
 Attenuation: 6~60dB
 Impedance: 50Ω
 Average Power*1: 100W@25°C max.

Mechanical

RF Connectors: N, SMA, 7/16(DIN)

Environmental

Temperature: -55~+125°C

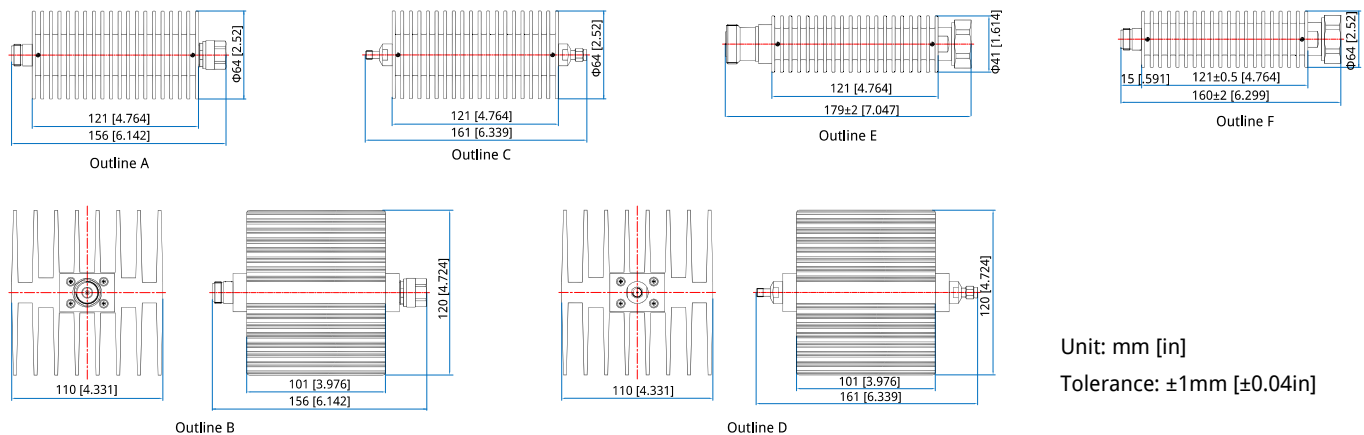
[1] Derated linearly to 5W@120°C.

Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)					VSWR (max.)
	6~10	11~20	21~30	31~40	41~60	
DC~4	0.7	0.7	0.8	0.8	0.9-1.0	1.2
4~8*2	0.8	0.8	0.9	0.9	1.0	1.25
8~12.4*2	0.9	0.9	1.0	1.0	1.1	1.35
12.4~18	1.5	1.5	1.3	1.3	1.4	1.45

[2] Rated at 4~6GHz and 6~12.4GHz for 7/16(DIN) connectors.

Outline Drawings



Unit: mm [in]
 Tolerance: ±1mm [±0.04in]

How To Order

QFA18K1-X-Y-Z

X: Frequency in GHz
 Y: Attenuation in dB
 Z: Connector type

Examples:

To order an attenuator, DC-12.4GHz, N male to N female, 9dB attenuation, Cuboid, specify QFA18K1-12.4-9-N2.

Connector and shape naming rules:

- N1 - Cylinder, N (Outline A)
- N2 - Cuboid, N (Outline B)
- S1 - Cylinder, SMA (Outline C)
- S2 - Cuboid, SMA (Outline D)
- 7 - 7/16(DIN) (Outline E)
- 7NF - In: 7/16(DIN) Male, Out: N Female (Outline F)