

QFA2650

DC~26.5GHz, 50W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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

Electrical

Frequency:	DC~26.5GHz
Attenuation:	3~60dB
Impedance:	50Ω
Average Power*1:	50W@25°C max.

[1] Derated linearly to 2.5W@120°C.

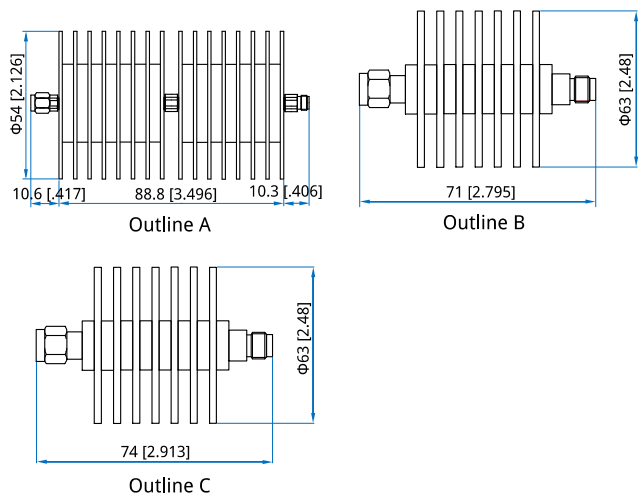
Mechanical

RF Connectors:	SMA, 3.5mm
Housing:	Aluminum
Outer Conductor:	Passivated stainless steel or gold plated brass
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated beryllium copper

Environmental

Temperature:	-55~+85°C
--------------	-----------

Outline Drawings



Unit: mm [in]
Tolerance: $\pm 2\text{mm}$ [$\pm 0.08\text{in}$]

Attenuation Accuracy and VSWR (SMA)

Frequency (GHz)	Attenuation Accuracy ($\pm\text{dB}$) vs. Attenuation (dB)					VSWR (max.)
	20	30	40	50	60	
DC~26.5	-2.0/+2.0	-2.0/+2.0	-2.0/+2.0	± 1.0	± 1.0	1.3

Attenuation Accuracy and VSWR (3.5mm)

Frequency (GHz)	Attenuation Accuracy ($\pm\text{dB}$) vs. Attenuation (dB)							VSWR (max.)
	3	6	10	20~30	40	50	60	
DC~12.4	-0.8/+0.3	± 1.0	± 1.0	± 0.9	-1.0/+0.5	-1.0/+0.75	-1.0/+0.5	1.20
DC~18	± 0.8	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	-1.0/+0.75	1.25
DC~26.5	-0.8/+1.0	-1.0/+1.7	-1.0/+2.5	± 1.0	± 1.0	± 1.0	± 1.0	1.30

How To Order

QFA2650-X-Y-Z

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

Connector naming rules:

- S - SMA (Outline A - 20~40dB, Outline B - 50~60dB)
- 3 - 3.5mm (Outline C)

Examples:

To order an attenuator, DC~26.5GHz, SMA male to SMA female, 20dB attenuation, specify QFA2650-26.5-20-S.