

QFA4020

DC~40GHz, 20W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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

Electrical

Frequency:	DC~40GHz
Attenuation:	3~10dB, 15dB, 20dB, 30dB, 40dB
Impedance:	50Ω
Average Power*1:	20W@25°C max.
Peak Power:	200W (5μS pulse width, 10% duty cycle)@3~30dB 200W (5μS pulse width, 5% duty cycle)@40dB

[1] Derated linearly to [0.5W@125°C.@40dB](#)

[2] Derated linearly to [2W@125°C.@3~30dB](#)

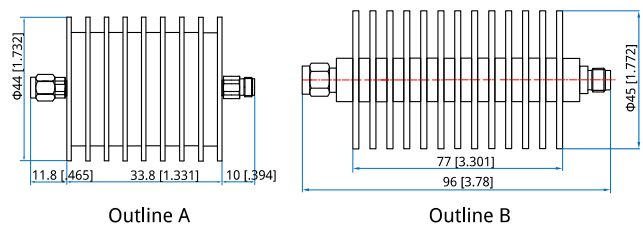
Mechanical

RF Connectors:	2.92mm
Housing:	Aluminum
Dielectric:	PEI
Outer Conductor:	Stainless steel
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

Frequency (GHz)	Attenuation Accuracy (\pm dB) vs. Attenuation (dB)					VSWR (max.)
	3~10	15	20	30	40	
DC~40	-1.5/+1.5	-1.5/+1.5	-1.5/+1.5	-1.5/+1.5	-1.0/+2.0	1.3, 1.4@40dB

How To Order

QFA4020-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB (Outline A - 3~30dB, Outline B - 40dB)

Z: Connector type

Connector naming rules:

K - 2.92mm

Examples:

To order an attenuator, DC~40GHz, 2.92mm male to 2.92mm female, 3dB attenuation, specify QFA4020-40-3-K.