

# QFA4010

## DC~40GHz, 10W

**Features:**

- \* Low VSWR
- \* High Attenuation Flatness

**Applications:**

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

**Electrical**

Frequency:	DC~40GHz
Attenuation:	1~10dB, 20dB, 30dB, 40dB
Impedance:	50Ω
Average Power* <sup>1</sup> :	10W@25°C max.
Peak Power:	100W (5μS pulse width, 5% duty cycle @1~30dB, 10% duty cycle@40dB)

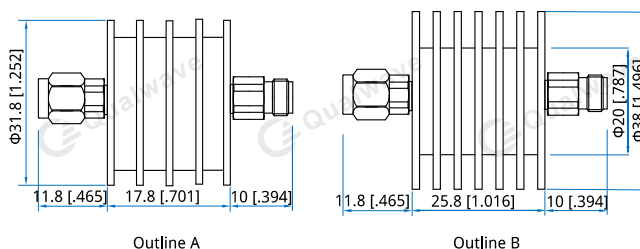
[1] Derated linearly to 1W@125°C.

**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~+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	20	30	40	
DC~40	-0.7/+1.0	-0.7/+1.0	-0.7/+1.0	-1.2/+1.2	1.25, 1.3@40dB

**How To Order**
**QFA4010-X-Y-Z**

X: Frequency in GHz

Y: Attenuation in dB (Outline A - 1~30dB, 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 QFA4010-40-3-K.