

QFA4002

DC~40GHz, 2W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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


Electrical

Frequency:	DC~40GHz
Attenuation:	1~30dB, 40dB
Impedance:	50Ω
Average Power ^{*1} :	2W@25°C max.
Peak Power ^{*2} :	200W

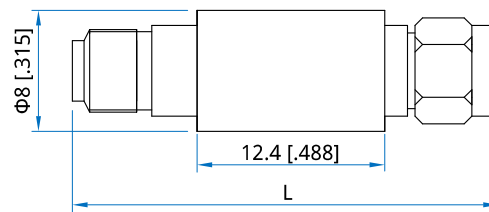
[1] Derated linearly to 0.5W@125°C.
 [2] Pulse width: 5us, duty cycle: 0.5%.

Mechanical

Size:	Φ8*L mm Φ0.315*L in
Weight:	5g
RF Connectors:	2.92mm Male 2.92mm Female
Housing:	Aluminum or Stainless steel
Outer Conductor:	Gold plated brass or 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: ±0.2mm [±0.008in]
 L: 31.4 [1.236] (attenuation: 1~20dB)
 33 [1.299] (attenuation: 21~30dB)
 47.6 [1.874] (attenuation: 40dB)

Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)				VSWR (max.)
	1~9	10~19	20~30	40	
DC~32	±0.8	±0.8	±1.0	±1.5	1.30
32~40	±1.0	±1.0	-1.0/+1.5	-1.0/+2.0	1.35, 1.40@40dB

How To Order
QFA4002-X-Y-Z

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

Connector naming rules:
 K - 2.92mm

Examples:

To order an attenuator, DC-32GHz, 2.92mm male to 2.92mm female, 3dB attenuation, specify QFA4002-32-3-K.