Qualwave

Fixed Attenuators

QFA4005

DC~40GHz, 5W

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*[1]:	5W@25℃ max.

[1] Derated linearly to 0.25W@120°C.

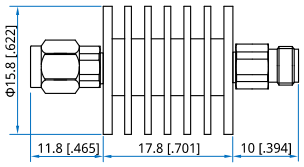
Mechanical

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

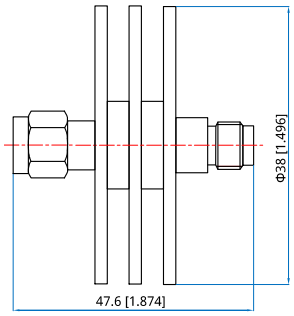
Environmental

Temperature:	-55~+85℃

Outline Drawings



Outline A



Outline B

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	-1.0/+2.0	1.25, 1.40@40dB

How To Order

QFA4005-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 QFA4005-40-3-K.