



# WFA4010

## 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\*1: 10W@25°C max.  
 Peak Power: 100W (5μS pulse width, 5% duty cycle)@1~30dB  
 200W (5μS pulse width, 1.25% duty cycle)@40dB

[1] Derated linearly to 0.5W@125°C.

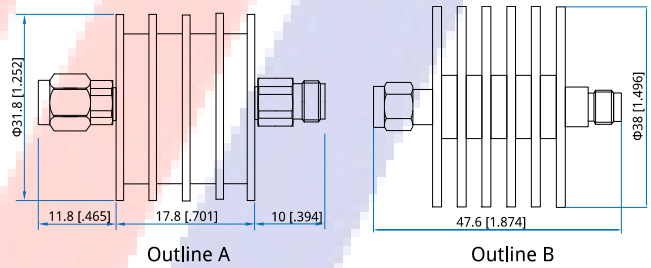
### Mechanical

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~+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.)
	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, 1.4@40dB

### How To Order

#### WFA4010-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 WFA4010-40-3-K.