



# WFA5005

DC~50GHz, 5W

Features:  
\* Low VSWR  
\* High Attenuation Flatness

Applications:  
\* Wireless  
\* Transmitter  
\* Laboratory Test  
\* Radar

### Electrical

Frequency: DC~50GHz  
Attenuation: 1~10dB, 20dB, 30dB  
Impedance: 50Ω  
Average Power\*1: 5W@25°C max.  
Peak Power: 20W (5μS pulse width, 2.5% duty cycle)

[1] Derated linearly to 0.5W@125°C.

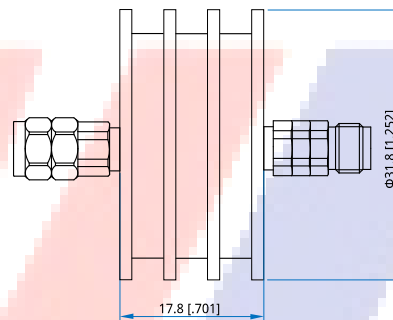
### Mechanical

RF Connectors: 2.4mm  
Housing: Aluminum  
Dielectric: PEI  
Outer Conductor: Passivated 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		
DC~50	-1.0/+1.2	-1.0/+1.2	-1.0/+1.2	1.3

### How To Order

**WFA5005-X-Y-Z**

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

Connector naming rules:

2 - 2.4mm

Examples:

To order an attenuator, DC~50GHz, 2.4mm male to 2.4mm female, 20dB attenuation, specify WFA5005-50-20-2.