



WFA4020

DC~40GHz, 20W

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|---|---|
| Features:
* Low VSWR
* High Attenuation Flatness | Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar |
|---|---|

Electrical

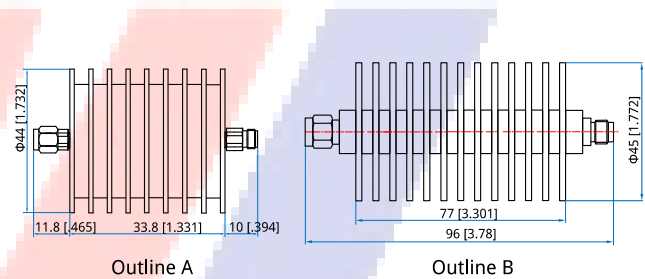
Frequency: DC~40GHz
 Attenuation: 3~10dB, 15dB, 20dB, 30dB, 40dB
 Impedance: 50Ω
 Average Power*1: 20W@25°C max.
 Peak Power: 200W (5μS pulse width, 10% duty cycle)@3~30dB
 200W (5μS pulse width, 5% duty cycle)@40dB

- [1] Derated linearly to 0.5W@125°C.@40dB
 [2] Derated linearly to 2W@125°C.@3~30dB

Environmental

Temperature: -55~+85°C

Outline Drawings



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

Unit: mm [in]
 Tolerance: ±2mm [±0.08in]

Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)					VSWR (max.)
	3~10	15	20	30	40	
DC~40	-1.5/+1.5	-1.5/+1.5	-1.5/+1.5	-1.5/+1.5	-1.0/+2.0	1.3, 1.4@40dB

How To Order

WFA4020-X-Y-Z

X: Frequency in GHz
 Y: Attenuation in dB (Outline A - 3~30dB, 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 WFA4020-40-3-K.