



WFA18K2

DC~18GHz, 200W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

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

Electrical

Frequency: DC~18GHz
 Attenuation: 3, 6, 10~60dB
 Impedance: 50Ω
 Average Power*1: 200W@25°C max.
 Peak Power: 5KW (5μS pulse width, 2% duty cycle) @DC~12.4GHz
 1KW (5μS pulse width, 10% duty cycle) @18GHz

Mechanical

RF Connectors: N Male, N Female

Environmental

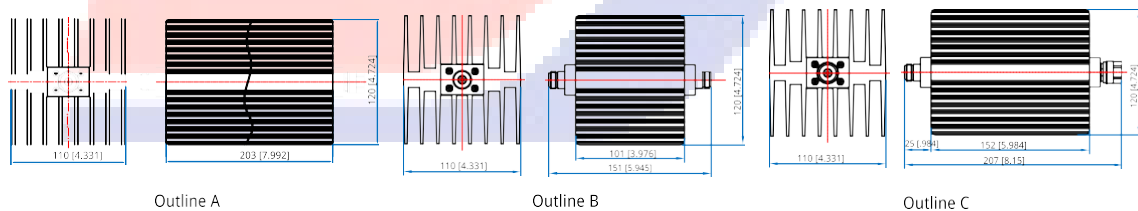
Temperature: -55~+125°C

[1] Derated linearly to 10W@120°C.

Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)								VSWR (max.)
	3	6	10	20	30	40	50	60	
DC~4	-0/+1.5	0.7	0.7	0.7	0.8	0.9	0.9	0.9	1.20
DC~8	-0/+2	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.25
DC~12.4	1.2	0.9	1.5	0.9	1.0	1.1	1.1	1.1	1.35
DC~18	-1/+5	2.5	3.5	2.5	1.5	1.3	1.4	1.4	1.45

Outline Drawings



Unit: mm [in]

Tolerance: ±2mm [±0.08in]

How To Order

WFA18K2-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

Connector and shape naming rules:

N - N , 6dB(Outline C), 10~60dB(Outline A)

NFNF - N Female, 3dB(Outline B)

Examples:

To order an attenuator, DC-18GHz, N male to N female, 10dB attenuation, cuboid, specify WFA18K2-18-10-N1.