



WFA18K3

DC~18GHz, 300W



- 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: 300W@25°C max.
 Peak Power: 5KW (5μS pulse width, 3% duty cycle) @DC~12.4GHz
 1KW (5μS pulse width, 15% duty cycle) @18GHz

[1] Derated linearly to 15W@120°C.

Mechanical

RF Connectors: N Male, N Female

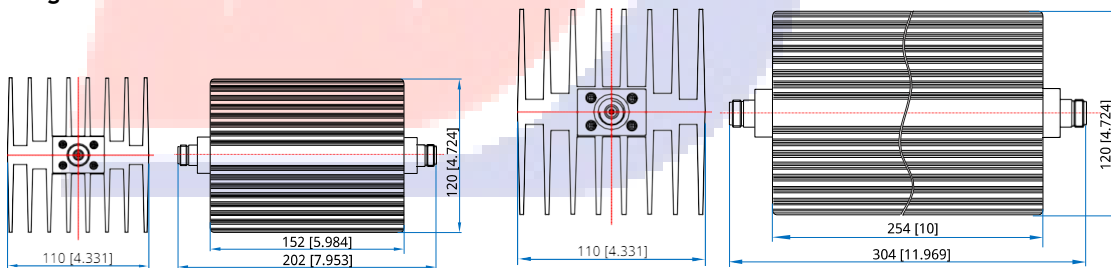
Environmental

Temperature: -55~+125°C

Attenuation Accuracy and VSWR

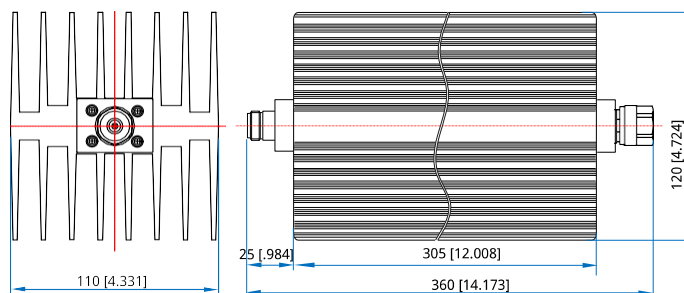
Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)								VSWR (max.)
	3	6	10	20	30	40	50	60	
DC~4	0/+1.0	-0.6/+1.0	0.7	0.7	0.8	0.9	0.9	0.9	1.20
DC~8	0/+2.0	-1.0/+2.0	0.8	0.8	0.9	0.9	0.9	0.9	1.25
DC~12.4	0/+3.5	-1.0/+5.0	3.0	0.9	1.0	1.1	1.1	1.1	1.35, 1.3@3, 6dB
DC~18	0/+5.0	-1.0/+7.0	4.0	3.0	1.5	1.3	1.3	1.4	1.45, 1.35@3, 6dB

Outline Drawings



Outline A

Outline B



Outline C

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



How To Order

WFA18K3-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB

3dB, DC~18GHz - Outline A 6dB,

DC~18GHz - Outline B 10~60dB,

DC~18GHz - Outline C Z:

Connector type

Examples:

To order an attenuator, DC-18GHz, N male to N female, 30dB attenuation, specify WFA18K3-18-30-N.

Connector naming rules:

N - N

