WFA18K4

DC~18GHz, 400W

Features:
* Low VSWR
* High Attenuation Flatness

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency:	DC~18GHz
Attenuation:	3dB, 6dB, 10~60dB
Impedance:	50Ω
Average Power[*1]:	400W@25℃
Peak Power:	5KW (5μS pulse width, 4%duty cycle) @DC~12.4GHz 1KW (5μS pulse width, 20% duty cycle) @18GHz

[1] Derated linearly to 20W@120°C.

Mechanical

RF Connectors:	N Male, N Female

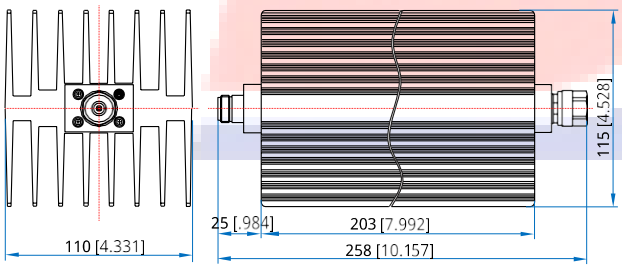
Environmental

Temperature:	-55~+125℃

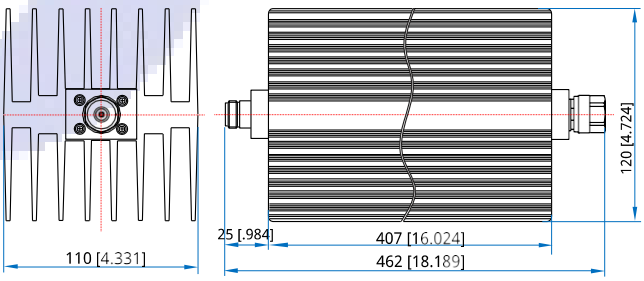
Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)								VSWR (max.)
	3	6	10	20	30	40	50	60	
DC~4	0/+1.6	-0.6/+1.5	-0.6/+1.2	1.2	0.8	0.9	0.9	0.9	1.20
DC~8	0/+3.0	-1.0/+4.0	-1.0/+4.0	1.5	0.9	0.9	0.9	0.9	1.25
DC~12.4	0/+5.0	-1.0/+7.0	-1.0/+7.0	2.0	1.0	1.1	1.1	1.1	1.35
DC~18	0/+7.0	-1.0/+9.0	-1.0/+12.0	4.5	1.5	1.5	1.5	1.5	1.45

Outline Drawings



Outline A



Outline B

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

How To Order

WFA18K4-X-Y-Z

X: Frequency in GHz
Y: Attenuation in dB
3dB, 6dB, DC~18GHz - Outline A
10~60dB, DC~18GHz - Outline B
Z: Connector type

Examples:
To order an attenuator, DC-18GHz, N male to N female, 30dB attenuation, specify WFA18K4-18-30-N.

Connector naming rules:
N - N