



WFA18K25

DC~18GHz, 250W

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}: 250W@25°C max.
 Peak Power: 5KW (5μS pulse width, 2.5% duty cycle) @DC~12.4GHz
 1KW (5μS pulse width, 12.5% duty cycle) @18GHz

[1] Derated linearly to 12.5W@120°C.

Mechanical

RF Connectors: N

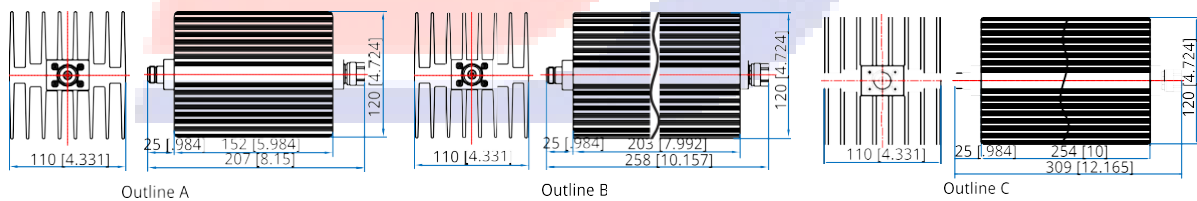
Environmental

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/+1.2	0.7	0.7	0.7	0.8	0.9	0.9	1.2
DC-8	0/+2	1.0	0.8	0.8	0.9	0.9	0.9	1.25
DC-12.4	0/+3.0	-1/+3	2.5	0.9	1.0	1.1	1.1	1.35
DC-18	0/+4.5	-1/+6	3.0	3.0	1.5	1.3	1.4	1.45

Outline Drawings



Unit: mm [in]

Tolerance: ±2mm [±0.08in]

How To Order

WFA18K25-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

Connector and shape naming rules:

N - Cuboid, N, 3dB(Outline A), 6dB(Outline B), 10-60dB(Outline C)

Examples:

To order an attenuator, DC~18GHz, N male to N female, 20dB attenuation, specify WFA18K25-18-20-N.