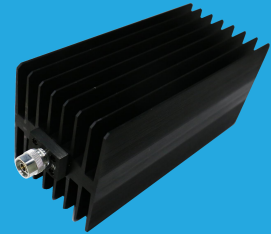


# QFA18K25

## 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

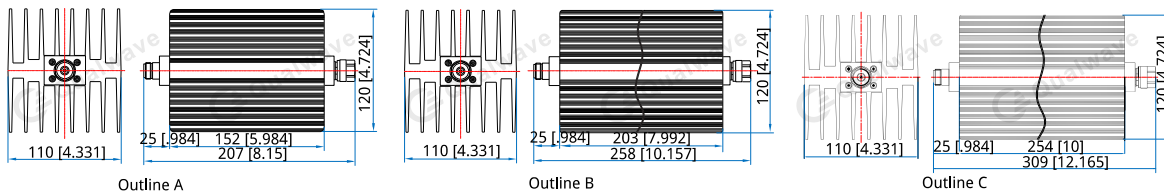
### Environmental

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

**QFA18K25-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 QFA18K25-18-20-N.