RFLOGY
TOMORROW DISCOVERED

Fixed Attenuators

NFA18K3

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

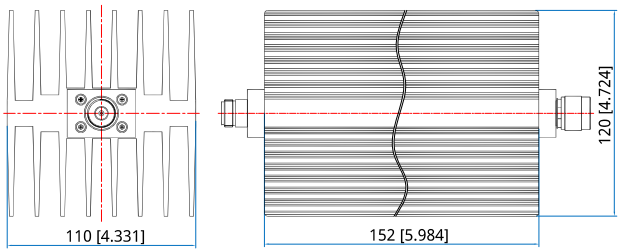
Environmental

Temperature:	-55~+125°C

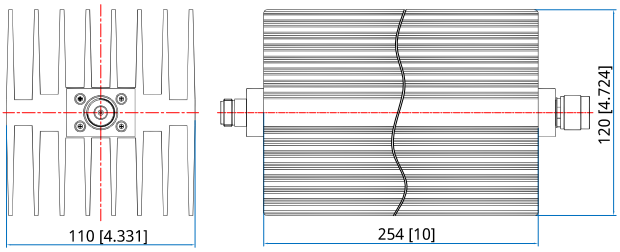
Attenuation Accuracy and VSWR

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)								VSWR (max.)
	3	6	10	20	30	40	50	60	
DC~3	0.5	-	-	-	-	-	-	-	1.20
DC~4	-	-	0.7	0.7	0.8	0.9	0.9	0.9	1.20
DC~6	1	1.2	-	-	-	-	-	-	1.25
DC~8	-	-	0.8	0.8	0.9	0.9	0.9	0.9	1.25
DC~12.4	-	-	3.0	0.9	1.0	1.1	1.1	1.1	1.35
DC~18	-	-	3.5	-	1.5	1.3	1.3	1.4	1.45

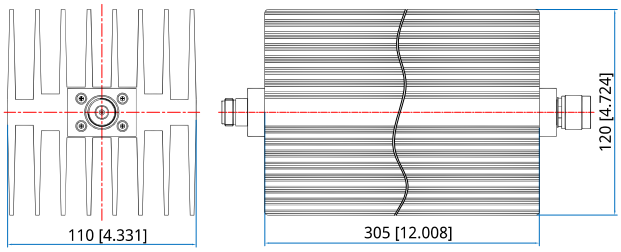
Outline Drawings



Outline A



Outline B



Outline C

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

How To Order

NFA18K3-X-Y-Z

X: Frequency in GHz
Y: Attenuation in dB
3dB, DC~3GHz - Outline A
6dB, DC~6GHz - 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 NFA18K3-18-30-N.

Connector naming rules:
N - N