

YSFA200-18-XX-N

Fixed Attenuator, DC-18 GHz, 200 W, N-Type Connector

Key Features

- DC to 18 GHz Broadband Coverage
- 200 W Average / 1 kW Peak Power
- Low VSWR $\leq 1.45:1$
- Rugged Thermal Design
- Wide Temperature Range

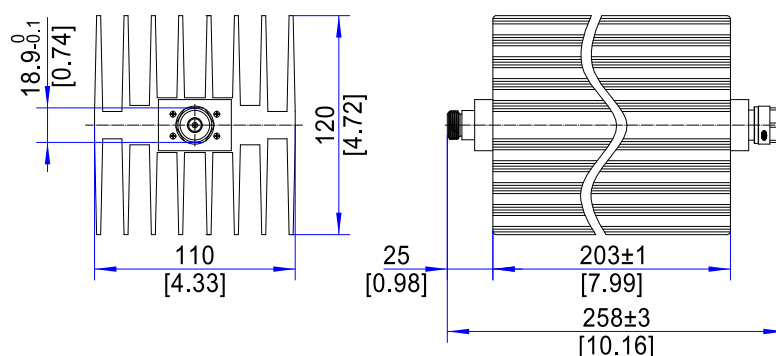
Applications

- RF And Microwave Test Systems
- Millimeter-Wave Communication
- Signal Conditioning In RF Chains
- Instrumentation Protection
- Aerospace And Defense Systems

Electrical Specifications					
1	Nominal Impedance	50 Ω			
2	Average Power ¹	200 W @ 25°C			
3	Peak Power	1 KW (pulse width: 5 μ s, duty cycle: 10%)			
4	Frequency Range	DC-4 GHz	DC-8 GHz	DC-12.4 GHz	DC-18 GHz
5	VSWR	≤ 1.20	≤ 1.25	≤ 1.35	≤ 1.45
Environmental Specifications					
1	Operating Temperature	-55°C to +125°C			
Mechanical Specifications					
1	Connectors	N-Type Male to Female Other configurations available upon request			
2	Body Material	Connector: Brass Heat Sink: Black Anodized Aluminum			
3	Dimension	203×110×120 mm / [7.99×4.33×4.72]			
Attenuation & Accuracy					
Attenuation (dB)	Accuracy(dB)				
	DC-4 GHz	DC-8 GHz	DC-12.4 GHz	DC-18 GHz	
10	± 0.7	± 1.5	± 1.5	± 3.5	
20	± 0.7	± 0.8	± 0.9	± 2.5	
30	± 0.8	± 0.9	± 1.0	± 1.5	
40	± 0.9	± 0.9	± 1.1	± 1.3	
50 to 60	± 0.9	± 0.9	± 1.1	± 1.4	

Note 1: Refer to the power derating curve for details.

Outline Drawing (Units: mm/[inch], Tolerance: ± 0.5 mm)



Ordering Information:Model: **YSFA200-XX-YY-N**

XX = Frequency Range (4 GHz, 8 GHz, 12.4 GHz, 18 GHz)

YY = Attenuation Value in dB

Example: 8 GHz, 20 dB→**YSFA200-8-20-N**