

YSFA100-6-XX-N

Fixed Attenuator, DC-6 GHz, 100 W, N-Type Connector

Key Features

- DC to 6 GHz Broadband Coverage
- 100 W Average / 5 kW Peak Power
- Low VSWR $\leq 1.40:1$
- Rugged Thermal Design
- Wide Temperature Range

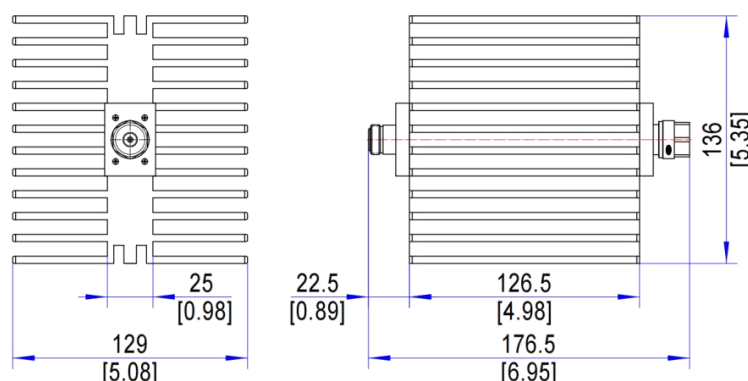
Applications

- 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	100 W @ 25°C				
3	Peak Power	5 KW (pulse width: 5 μ s, duty cycle: 1%)				
4	Frequency Range	DC-1 GHz	DC- 2 GHz	DC-3 GHz	DC-4 GHz	DC-6 GHz
5	VSWR	≤ 1.10	≤ 1.15	≤ 1.20	≤ 1.25	≤ 1.40
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 (mm/in)	176.5×129×136 mm / [6.95×5.08×5.35 in]				
Attenuation & Accuracy						
Attenuation (dB)	Accuracy(dB)					
	DC-1 GHz	DC- 2 GHz	DC-3 GHz	DC-4 GHz	DC-6 GHz	
10	± 1.0	± 1.5	± 1.75	± 2.0	± 3.5	
20	± 1.0	± 1.5	± 1.75	± 2.0	± 3.5	
30	± 0.5	± 1.0	± 2.0	± 2.0	± 3.5	
40	± 0.5	± 1.0	± 2.0	± 2.0	± 3.5	
50	± 0.5	± 1.0	± 2.0	± 2.0	± 3.5	

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

Outline Drawing (Units: mm/[inch], Tolerance: $\pm 2\%$)



Ordering Information:Model: **YSFA100-XX-YY-N**

XX = Frequency Range (1 GHz, 2 GHz, 3 GHz, 4 GHz ,6 GHz)

YY = Attenuation Value in dB

Example: 6 GHz, 10 dB→**YSFA100-6-10-N**