

YSFA50-18-XX-N

Fixed Attenuator, DC to 18 GHz, 50 W, N-Type Connector

Key Features

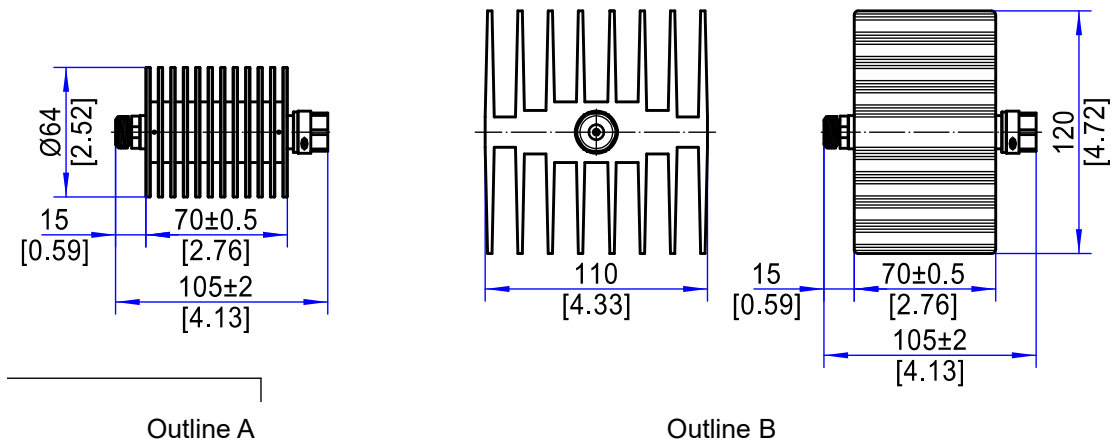
- DC to 18 GHz Ultra-Wideband
- 50 W High Power Handling
- Multiple Outline Options
- Low VSWR & High Accuracy
- Rugged & Reliable

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	50 W @ 25°C			
4	Frequency Range	DC to 4 GHz	DC to 8 GHz	DC to 12.4 GHz	DC to 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	Outline A: Φ64×105 mm / [2.52×4.13 in] Outline B: 105×110×120 mm / [4.13×4.33×4.72 in]			
Attenuation & Accuracy					
Attenuation (dB)	Accuracy(dB)				
	DC to 4 GHz	DC to 8 GHz	DC to 12.4 GHz	DC to 18 GHz	
1 to 10	±0.4	±0.5	±0.6	±0.8	
20	±0.5	±0.6	±0.7	±0.9	
30	±0.7	±0.8	±0.8	±1.0	
40 to 50	±0.7	±0.8	±1.0	±1.2~1.3	

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

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

Ordering Information:

 Model: **YSFA50-XX-YY-S-Z**

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

YY = Attenuation Value in dB

Z = Outline Option (C: Cylindrical Heatsink→Outline A, B: Block Heatsink→Outline B)

 Example: 8 GHz, 10 dB, Cylindrical Heatsink→**YSFA2-8-10-S-C**