

# YSFA300-18-XX-N

Fixed Attenuator, DC-18 GHz, 300 W, N-Type Connector

## Key Features

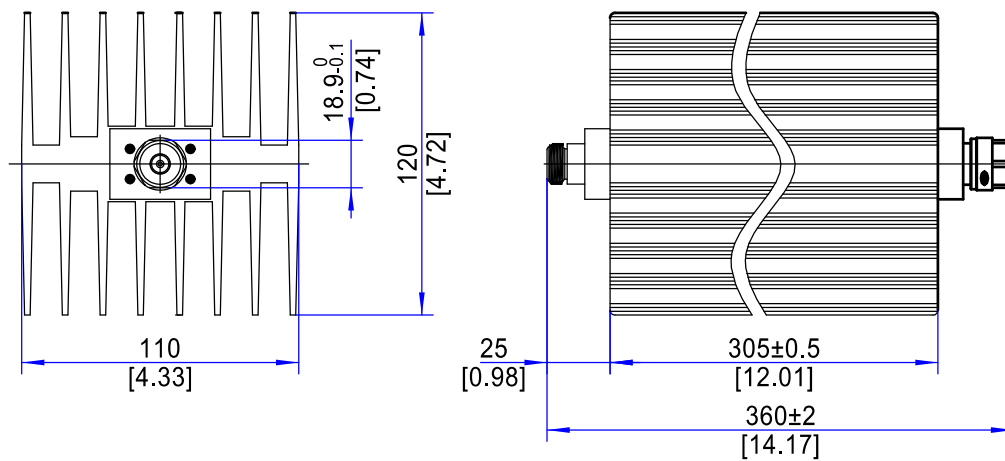
- DC to 18 GHz Ultra-Wideband
- 300 W High Power Handling
- Multiple Outline Options
- Low VSWR & High Accuracy
- Rugged & Reliable

## 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 $\Omega$			
2	Average Power <sup>1</sup>	300 W @ 25°C			
3	Frequency Range	DC-4 GHz	DC-8 GHz	DC-12.4 GHz	DC-18 GHz
4	VSWR	$\leq 1.20$	$\leq 1.25$	$\leq 1.35$	$\leq 1.45$
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	360×110×120 mm / [14.17×4.33×4.7 in]			
Attenuation & Accuracy					
Attenuation (dB)	Accuracy(dB)				
	DC-4 GHz	DC-8 GHz	DC-12.4 GHz	DC-18 GHz	
10	$\pm 0.7$	$\pm 0.8$	$\pm 3.0$	$\pm 4.0$	
20	$\pm 0.7$	$\pm 0.8$	$\pm 0.9$	$\pm 3.0$	
30	$\pm 0.8$	$\pm 0.9$	$\pm 1.0$	$\pm 1.5$	
40,50	$\pm 0.9$	$\pm 0.9$	$\pm 1.1$	$\pm 1.3$	
60	$\pm 0.9$	$\pm 0.9$	$\pm 1.1$	$\pm 1.4$	

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

**Outline Drawing** (Units: mm/[inch], Tolerance:  $\pm 0.5$  mm)**Ordering Information:**Model: **YSFA300-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 → **YSFA300-8-20-N**