

# YSFA5-18-XX-N

Fixed Attenuator, DC-18GHz, 5 W, N-Type Connector

## Key Features

- DC to 18 GHz Ultra-Wideband
- 5 W Power Handling
- Low VSWR & High Accuracy
- Compact Cylindrical Design
- Rugged & Reliable

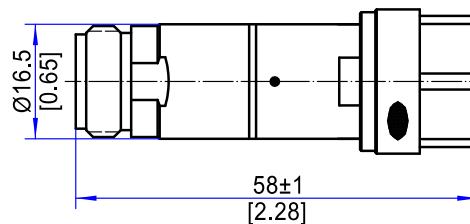
## Applications

- 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>	5 W @ 25°C			
3	Frequency Range	DC-4 GHz	DC-8 GHz	DC-12.4 GHz	DC-18 GHz
4	VSWR	≤1.15	≤1.20	≤1.30	≤1.35
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	Copper-Based Ternary Alloy Plating			
3	Dimension	Φ16.5×58 mm / [Φ0.65×2.28 in]			
Attenuation & Accuracy					
Attenuation (dB)	Accuracy(dB)				
	DC-4GHz	DC-8GHz	DC-12.4GHz	DC-18GHz	
1 to 10	±0.4	±0.5	±0.6	±0.7	
20	±0.5	±0.6	±0.7	±0.8	
30	±0.6	±0.8	±0.8	±1.0	
40	±0.7	±0.8	±0.9	±1.2	
50	±0.7	±0.8	±1.0	±1.3	
60	±0.8	±0.9	±1.1	±1.3	

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

## Outline Drawing (Units: mm/[inch], Tolerance: ± 0.2 mm)



## Ordering Information:

Model: **YSFA5-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→**YSFA5-8-20-N**