

YSFA2-18-XX-N

Fixed Attenuator, DC-18 GHz, 2 W, N-Type Connector

Key Features

- DC to 18 GHz Ultra-Wideband
- 2 W Average Power Handling
- Low VSWR $\leq 1.35:1$
- High Attenuation Accuracy
- Compact Form Factor

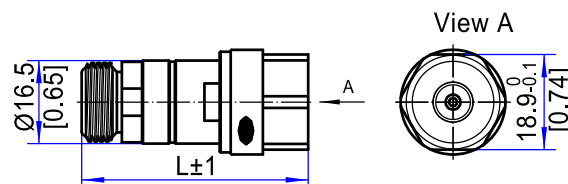
Applications

- 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	2 W @ 25°C			
3	Frequency Range	DC to 4 GHz	DC to 8 GHz	DC to 12.4 GHz	DC to 18 GHz
4	VSWR	≤ 1.15	≤ 1.25	≤ 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	Material	Copper to Based Ternary Alloy Plating			
Attenuation, Accuracy & Length					
Attenuation (dB)	Accuracy(dB)				L (mm/in)
	DC to 4GHz	DC to 8GHz	DC to 12.4GHz	DC to 18GHz	
1~10	± 0.4	± 0.5	± 0.6	± 0.7	45/1.77
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	48/1.89
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: **YSFA2-XX-YY-S**

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

YY = Attenuation Value in dB

Example: 8 GHz, 5 dB → **YSFA2-8-5-S**