

# YSFA2-18-XX-S

Fixed Attenuator, DC-18GHz, 2 W,SMA Connector

## Key Features

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

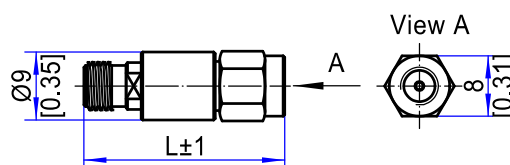
## Applications

- 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 Ω			
2	Average Power <sup>1</sup>	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	≤1.20	≤1.25	≤1.30
5	Attenuation	1 to 60dB			
Environmental Specifications					
1	Operating Temperature	-55°C to +125°C			
Mechanical Specifications					
1	Connectors	SMA male to Female Other configurations available upon request			
2	Body Material	Passivated Stainless Steel			
Attenuation, Accuracy & Length					
Attenuation (dB)	Accuracy(dB)				L (mm/in)
	DC to 4 GHz	DC to 8 GHz	DC to 12.4 GHz	DC to 18 GHz	
1 to 10	±0.5	±0.5	±0.5	±0.5	24/0.94
11 to 20	±0.5	±0.6	±0.7	±0.7	26.6/1.05
21 to 30	±0.7	±0.8	±0.9	±1.0	
31 to 40	±0.7	±0.8	±1.0	±1.5	30/1.18
41 to 60	±0.8	±0.9	±1.0	±1.5	

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

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



## 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**