

# YSFA2-50-XX-2

Fixed Attenuator, DC-50 GHz, 2 W, 2.4 mm Connector

## Key Features

- DC to 50 GHz Ultra-Wideband
- 2 W Average / 20 W Peak Power
- High Accuracy & Low VSWR
- Precision 2.4 mm Connector
- Rugged & Reliable

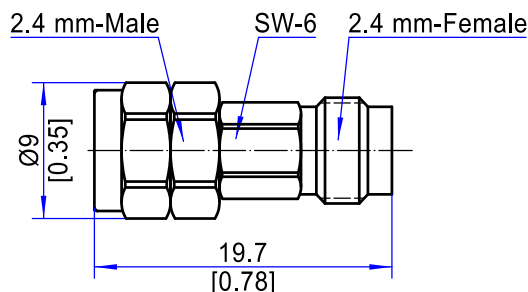
## Applications

- 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	Peak Power	20 W (pulse width: 5 μs, duty cycle: 1%)		
4	Frequency Range	DC-50 GHz		
5	VSWR	≤1.30		
6	Attenuation (dB)	1~10	20	30
7	Accuracy (dB)	±1.0	-1.0/+1.2	-1.0/+1.2
Environmental Specifications				
1	Operating Temperature	-55°C to +125°C		
Mechanical Specifications				
1	Connectors	2.4 mm Male to Female Other configurations available upon request		
2	Body Material	Passivated Stainless Steel		
3	Insulation	PEI		
4	Inner Conductor	Gold Plated Brass/ Beryllium Brass		

Note1: Power derates linearly to 0.5 W @ +125°C. Refer to the power derating curve for details.

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



## Ordering Information:

Model: **YSFA2-50-XX-2**

YY = Attenuation Value in dB

Example: 50 GHz, 5 dB → **YSFA2-50-5-2**