

YSRT100-18-N

Coaxial RF Termination, DC-18 GHz, 100 W, N-Type Connector, 50 Ohm

Key Features

- 100 W avg. power @ 25°C
- DC to 18 GHz frequency range
- VSWR ≤ 1.35
- N-Type male connector options

Applications

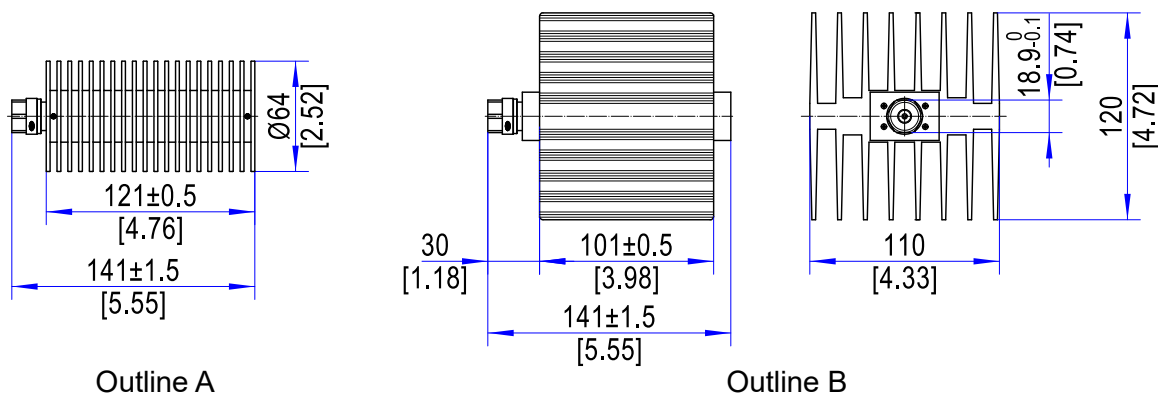
- Test & measurement systems
- Microwave & RF laboratory setups
- High-frequency communication systems
- Radar and aerospace electronics
- Component characterization and calibration

Electrical Specifications					
1	Nominal Impedance	50 Ω			
2	Average Power ¹	100 W @ 25°C			
3	Peak Power	1 KW (pulse width: 5 μs, duty cycle: 5%)			
4	Frequency Range	DC-4 GHz	DC-8 GHz	DC-12.4 GHz	DC-18 GHz
5	VSWR	≤ 1.15	≤ 1.20	≤ 1.25	≤ 1.35
Environmental Specifications					
1	Operating Temperature	-55°C to +125°C			
Mechanical Specifications					
1	Connectors ²	N-Type male			
2	Body Material	Connector: Copper-Based Ternary Alloy Plating Heat Sink: Black Anodized Aluminum			

1. Refer to the power derating curve for details.

2. Both housing shapes are available with either N-Female or N-Male connectors.

Outline Drawing (Units: mm/[inch], Tolerance: ±0.3 mm)



Ordering Information:

Model: **YSRT100-XX-YY-ZZ**

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

YY = Connector Type (**N**=N-Female, **NM**= N-Male)

ZZ = Housing Shape (**A**=Cylinder, corresponds to Outline A; **B**=Block, corresponds to Outline B)

Example: 8 GHz, N-Female, Block → **YSRT100-8-N-B**