

Coaxial Fixed Attenuator

RFH18XXTD50-S

DC-18 GHz, 1-50 dB, 50 Watts, TNC, Unidirectional

Rev 5

Electrical

Impedance	50 ohm			
Frequency Range	DC-18 GHz			
VSWR	1.45 max			
Input Avg Power	50W@ 25°C ambient, derating linearly to 5W at 100°C			
Peak Power	1kW (5 micro-sec pulse width, 2% duty cycle)			
Direction	Unidirectional, TNC male input, TNC female output (other configurations available)			
Attenuation(dB)	1-10	20	30	40-50
Accuracy(dB)	±0.8	±0.9	±1.1	±1.2

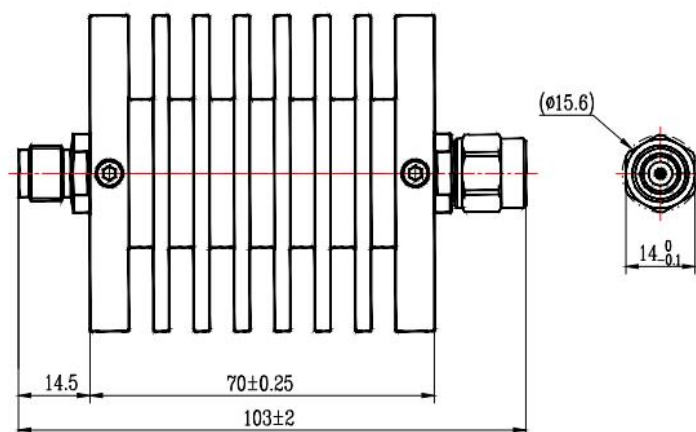
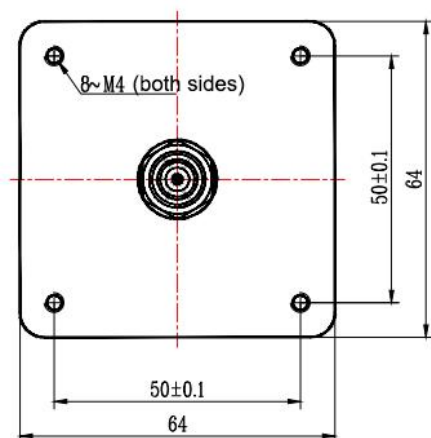
Mechanical

Connector Body	Ternary alloy plated brass
Heat Sink	Black anodized aluminum
Center Contact	Gold plated beryllium copper/brass
Net Weight	About 560 g

Environmental

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 125°C
RoHS	Compliant
Temperature Coefficient	<0.0004 dB/dB/°C

Dimensions(mm)



Notes

- 1.Always pay attention to the direction of attenuators.
- 2.To maintain best performance, recommended to use fan to keep the case temperature under 85°C.
- 3.Customized dB values, outlines and optimal accuracy/VSWR available.

Model Description

RFH18XXTD50-S

- 1.XX for dB value: 06=6dB,30=30dB
- 2.Code for connector configuration:
A=female for two ends; B=male for two ends
C=female for input and male for output;
D=male for input and female for output.