# Coaxial Fixed Attenuator RFH06XXTD50-S

## DC-6 GHz, 1-50 dB, 50 Watts, TNC, Unidirectional

Rev 5

### Electrical

| | |
|---|---|
| **Impedance** | 50 ohm |
| **Frequency Range** | DC-6 GHz |
| **VSWR** | 1.25 max |
| **Input Avg Power** | 50W@ 25℃ ambient, derating linearly to 5W at 100℃ |
| **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)** | ±0.5 | ±0.6 | ±0.8 | ±0.8 |

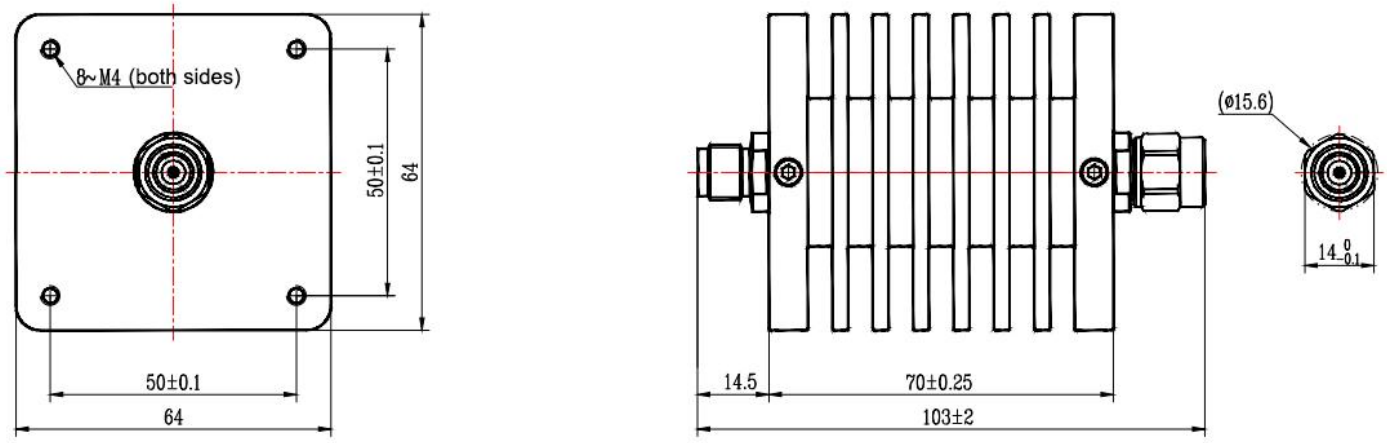
### Mechanical

| | |
|---|---|
| **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℃ to 100℃ |
| **Storage Temperature** | -55℃ to 125℃ |
| **RoHS** | Compliant |
| **Temperature Coefficient** | <0.0004 dB/dB/℃ |

### 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℃.
3.Customized dB values, outlines and optimal accuracy/VSWR available.

### Model Description

**RFH06XXTD50-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.