

# Coaxial Fixed Attenuator

**RFH08XXNC30**

DC-8.5 GHz, 1-50 dB, 30 Watts, N, Unidirectional



Rev 3

## Electrical

|                 |                                                                                |       |       |       |       |
|-----------------|--------------------------------------------------------------------------------|-------|-------|-------|-------|
| Impedance       | 50 ohm                                                                         |       |       |       |       |
| Frequency Range | DC-8.5 GHz                                                                     |       |       |       |       |
| VSWR            | 1.25 max                                                                       |       |       |       |       |
| Input Avg Power | 30W@ 25°C ambient, derating linearly to 3W at 100°C                            |       |       |       |       |
| Peak Power      | 1kW (5 micro-sec pulse width, 1% duty cycle)                                   |       |       |       |       |
| Direction       | Unidirectional, N female input, N male output (other configurations available) |       |       |       |       |
| Attenuation(dB) | 1-10                                                                           | 11-20 | 21-30 | 31-40 | 41-50 |
| Accuracy(dB)    | ±0.5                                                                           | ±0.6  | ±0.8  | ±0.8  | ±0.8  |

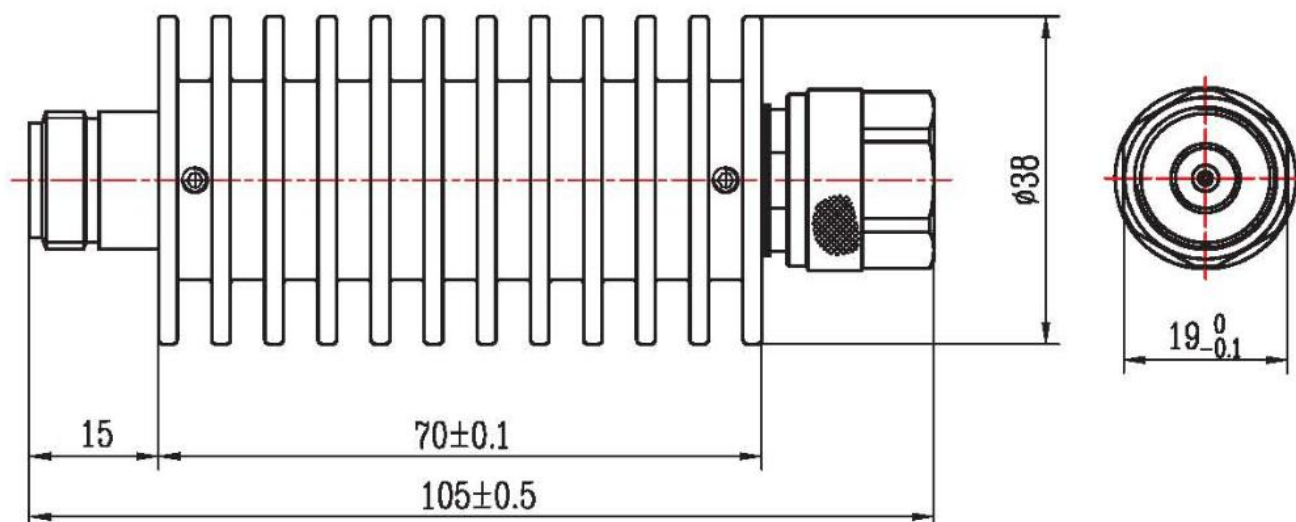
## Mechanical

|                |                                    |
|----------------|------------------------------------|
| Connector Body | Ternary alloy plated brass         |
| Heat Sink      | Black anodized aluminum            |
| Center Contact | Gold plated beryllium copper/brass |
| Net Weight     | About 170 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

### RFH08XXNC30

- 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.