

# ATTENUATORS

## 2.4mm

UP TO 50 GHz  
1 WATTS

api   
technologies corp.  
> INMET

MODELS: 50EH1W-XX

### SPECIFICATIONS:

#### Electrical:

Frequency Range \_\_\_\_\_ DC – 50 GHz  
Standard Freq. Values \_\_\_\_\_ 50 GHz  
Standard dB Values \_\_\_\_\_ 3, 6, 10 & 20 dB  
Attenuation Accuracy: DC – 26.5 GHz 26.5 – 40 GHz 40 – 50 GHz  
3, 6 & 10 dB \_\_\_\_\_  $\pm 0.5$  dB \_\_\_\_\_  $\pm 1.0$  dB \_\_\_\_\_  $\pm 1.5$  dB  
20 & 30 dB \_\_\_\_\_  $\pm 0.75$  dB \_\_\_\_\_  $\pm 1.25$  dB \_\_\_\_\_  $\pm 2.0$  dB

#### VSWR:

DC – 26.5 GHz \_\_\_\_\_ 1.35:1 Max.  
26.5 – 40 GHz \_\_\_\_\_ 1.60:1 Max.  
40 – 50 GHz \_\_\_\_\_ 1.75:1 Max.

Input Power \_\_\_\_\_ 1 Watt Avg. @ +25°C  
Derated Linearly to 0.1 Watts @ +85°C

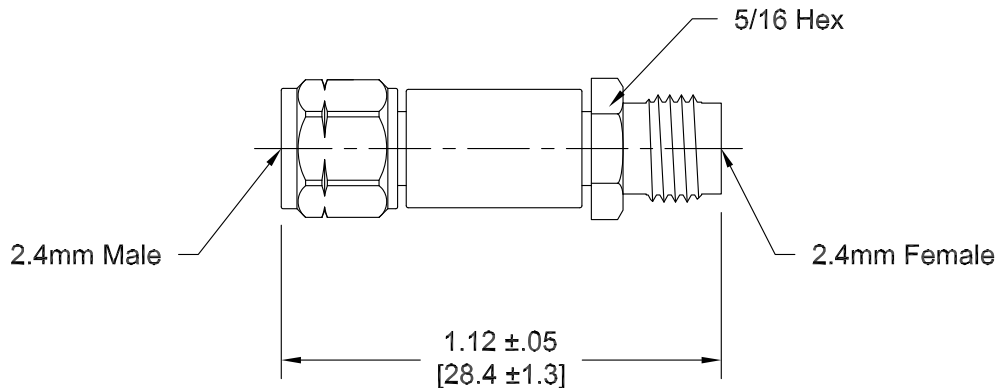
Impedance \_\_\_\_\_ 50 Ohms  
Operating Temp. Range \_\_\_\_\_ -45°C to +85°C

#### Mechanical:

2.4mm Connectors \_\_\_\_\_ Gold Plated Beryllium Copper  
(Mates with 1.85mm & V\* Connectors)  
Conductors \_\_\_\_\_ Gold Plated Beryllium Copper  
Barrel & Coupling Nut \_\_\_\_\_ Passivated Stainless Steel

\*V is a trademark of Anritsu Corp.

Model Number: **50EH1W-XX**



Overall lengths are with coupling nut biased fully forward (installed length).

### HOW TO ORDER:

Model Number: **50EH1W-XX**

└── dB Value

#### Ordering Examples:

Model Number: **50EH1W-03**  
DC – 50 GHz, 3 dB

Model Number: **50EH1W-10**  
DC – 50 GHz, 10 dB

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

Design specifications are subject to change without notice.

Contact factory for technical specifications before purchasing or use.