

# Equalizer Negative Slope

Models: EQ1100-XX

**.5 - 2.0 GHz  
Fixed**

## Specifications

### Electrical

**Frequency Range:** .5 - 2 GHz

**Available Delta Slopes:** 2 to 15dB

(Delta slope is relative to loss at 2 GHz)

### Maximum Insertion Loss at 2 GHz:

- 2 - 4 dB: 0.50 dB ±0.50 dB
- 5 - 6 dB: 0.50 dB +0.75 dB -0.50 dB
- 7 - 10 dB: 0.75 dB +1.0 dB -0.75 dB
- 11 - 15 dB: 1.0 dB +1.5 dB -1.0 dB

### Linearity: (Deviation from nominal delta slope) :

- 3 - 4 dB: ±0.50
- 5 - 6 dB: ±0.75
- 7 - 10 dB: ±1.0
- 11 - 15 dB: ±1.5

### VSWR:

- Input/Output: 1.80:1 Max.
- Input/Output: 2 Watt @+25°C Max.

### Mechanical

**Housing:** Passivated Stainless Steel

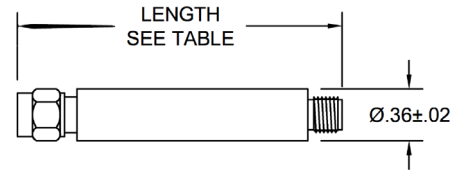
**SMA Connectors:** Passivated Stainless Steel  
Mates with MIL-STD-348

**Conductors:** Gold Plated Beryllium Copper

### Temperature Range:

- Operating: ±0.50
- Non-Operating: ±0.75

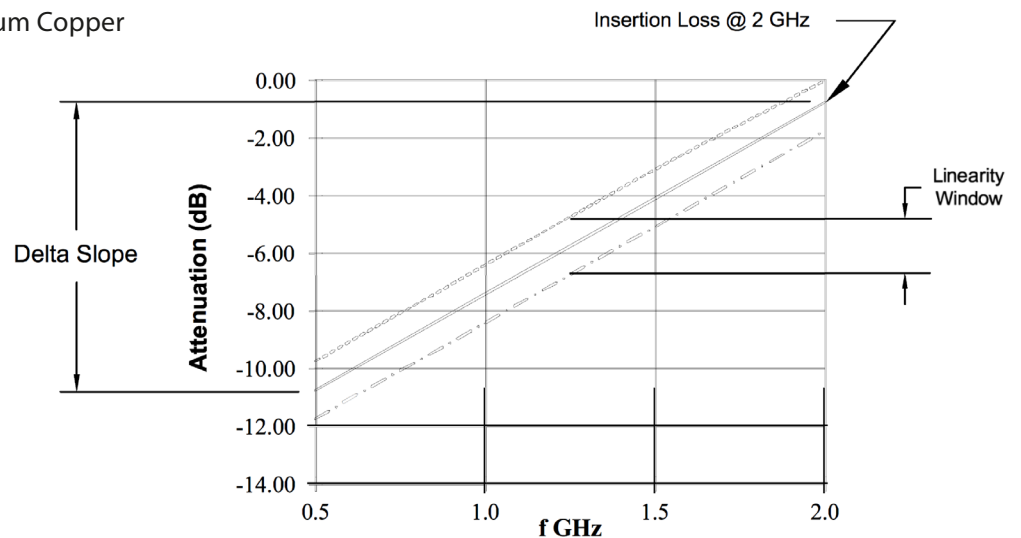
## EQ1100-XX SMA Connectors



Units Are Bidirectional  
Units Are RoHs Compliant

Connector Configuration	Overall Length Weight	
	2 - 10 dB	11 - 15 dB
Male/Female	2.28 ±.05 25 Grams Max.	3.18 ±.05 35 Grams Max.
Male/Male	2.405 ±.05 35 Grams Max.	3.31 ±.05 35 Grams Max.
Female/Female	2.15 ±.05 25 Grams Max.	3.05 ±.05 35 Grams Max.

Epoxy Sealed Connectors Available



Typical Specifications for an EQ1100-10

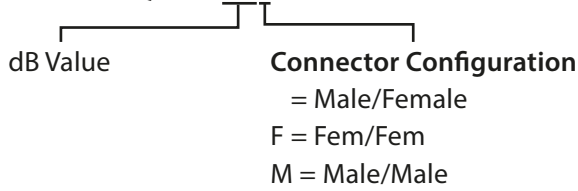
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## How to Order:

**Model Number:** EQ1100-XXY



## Ordering Examples:

**Model Number:** EQ1000-03

3 dB; SMA - Male/Fem

**Model Number:** EQ1100-15F

15 dB; SMA - Fem/Fem

*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.*