

# EQUALIZER

Negative Slope, 0.5 - 18.0 GHz, Fixed

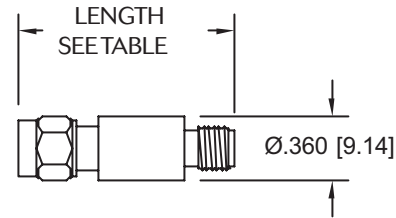
## SPECIFICATIONS:

Models: EQ2301-XX, EQ2301T-XX, EQ2301N-XX

<b>Electrical:</b>	
Frequency Range _____	.5 - 18 GHz
Response Shape _____	Negative Slope
Insertion Loss at 18 GHz:	
3 - 6 dB _____	1.5 dB Max.
7 - 10 dB _____	2.0 dB Max.
11 - 15 dB _____	2.5 dB Max.
16 - 20 dB _____	4.0 dB Max.
21 - 25 dB _____	5.0 dB Max.
26 - 35 dB _____	6.0 dB Max.
Amplitude at .5 GHz _____	3 to 35 dB (Relative to loss at 18 GHz)
Linearity:	
3 - 6 dB _____	±0.75 dB Max.
7 - 10 dB _____	±1.0 dB Max.
11 - 25 dB _____	±10% dB Max.
26 - 35 dB _____	±4.0 dB Max.
VSWR:	
Input/Output _____	1.80:1 Max.
<b>Mechanical:</b>	
Housing _____	Passivated Stainless Steel
SMA Connectors _____	Passivated Stainless Steel
<small>Mates with MIL-STD-348</small>	
Conductors _____	Gold Plated Beryllium Copper
Temperature Range:	
Operating _____	-54°C to +125°C
Non-Operating _____	-65°C to +125°C



Model Number: **EQ2301-XX**  
SMA CONNECTORS

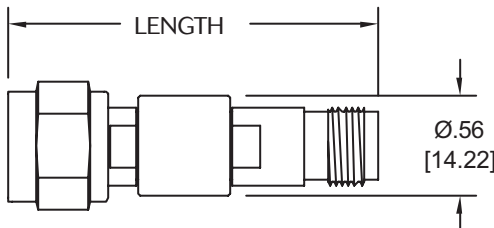


Connector Configuration	OVERALL LENGTH	
	3 - 17 dB	18 - 35 dB
Male/Female	1.205 ±.025 [30.61 ±0.64]	1.575 ±.025 [40.01 ±0.64]
Male/Male	1.330 ±.030 [33.78 ±0.76]	1.705 ±.030 [43.31 ±0.76]
Female/Female	1.060 ±.015 [26.92 ±0.38]	1.445 ±.015 [36.70 ±0.38]

See Website for Typical Performance Graphs and Application Notes

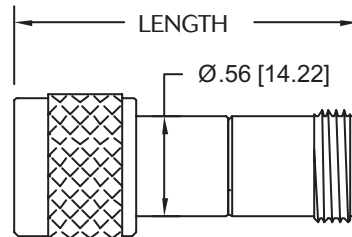
For Epoxy sealed Connector add -440 to Model Number

Model Number: **EQ2301T-XX**  
TNC CONNECTORS



Connector Configuration	OVERALL LENGTH	
	3 - 17 dB	18 - 35 dB
Male/Female	2.07 ±.03 [52.58 ±0.76]	2.44 ±.03 [61.98 ±0.76]
Male/Male	1.96 ±.03 [49.78 ±0.76]	2.34 ±.03 [59.44 ±0.76]
Female/Female	2.16 ±.03 [54.86 ±0.76]	2.54 ±.03 [64.52 ±0.76]

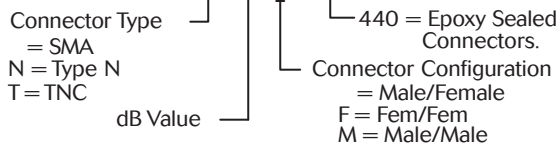
Model Number: **EQ2301N-XX**  
TYPE N CONNECTORS



Connector Configuration	OVERALL LENGTH	
	3 - 17 dB	18 - 35 dB
Male/Female	1.90 ±.03 [48.26 ±0.76]	2.28 ±.03 [57.91 ±0.76]
Male/Male	1.82 ±.03 [46.23 ±0.76]	2.20 ±.03 [55.88 ±0.76]
Female/Female	1.99 ±.03 [50.55 ±0.76]	2.37 ±.03 [59.99 ±0.76]

## HOW TO ORDER:

Model Number: **EQ2301Z-XXY-ZZZ**



## Ordering Examples:

Model Number: **EQ2301-03**  
3 dB; SMA - Male/Fem

Model Number: **EQ2301N-18F**  
18 dB; Type N - Fem/Fem

Model Number: **EQ2301-06-440**  
6dB; SMA - Male/Fem; Epoxy Sealed S/A

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.

EQ2301-xx: REV B



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