

EQUALIZER

Negative Slope, 0.5 - 18.0 GHz, Fixed

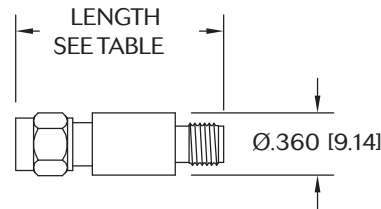
SPECIFICATIONS:

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

Electrical:	
Frequency Range	.5 - 18 GHz
Response Shape	Negative Slope
Insertion Loss at 18 GHz:	
3 - 6 dB	1.5 dB
7 - 10 dB	2.0 dB
11 - 15 dB	2.5 dB
16 - 20 dB	4.0 dB
21 - 25 dB	5.0 dB
26 - 35 dB	6.0 dB
Amplitude at .5 GHz	3 to 35 dB (Relative to loss at 18 GHz)
Linearity:	
3 - 6 dB	±0.75 dB
7 - 10 dB	±1.0 dB
11 - 25 dB	±10% dB
26 - 35 dB	±4.0 dB
VSWR:	
Input/Output	1.80:1 Max.
Mechanical:	
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

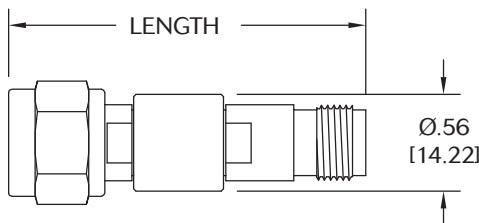


Connector Configuration	OVERALL LENGTH	
	3 - 20 dB	21 - 35 dB
Male/Female	1.205 ±.05 [30.61 ±1.27]	1.575 ±.05 [40.01 ±1.27]
Male/Male	1.330 ±.05 [33.78 ±1.27]	1.705 ±.05 [43.31 ±1.27]
Female/Female	1.060 ±.05 [26.92 ±1.27]	1.445 ±.05 [36.70 ±1.27]

See Website for Typical Performance Graphs and Application Notes

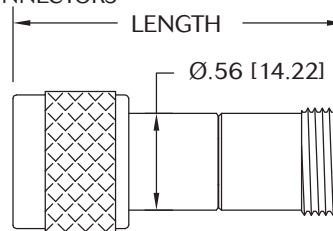
For Epoxy sealed Connector add -440 to Model Number

Model Number: EQ2301T-XX
TNC CONNECTORS



Connector Configuration	OVERALL LENGTH	
	3 - 20 dB	21 - 35 dB
Male/Female	2.07 ±.05 [52.58 ±1.27]	2.44 ±.05 [61.98 ±1.27]
Male/Male	1.96 ±.05 [49.78 ±1.27]	2.34 ±.05 [59.44 ±1.27]
Female/Female	2.16 ±.05 [54.86 ±1.27]	2.54 ±.05 [64.52 ±1.27]

Model Number: EQ2301N-XX
TYPE N CONNECTORS



Connector Configuration	OVERALL LENGTH	
	3 - 20 dB	21 - 35 dB
Male/Female	1.90 ±.05 [48.26 ±1.27]	2.28 ±.05 [57.91 ±1.27]
Male/Male	1.82 ±.05 [46.23 ±1.27]	2.20 ±.05 [55.88 ±1.27]
Female/Female	1.99 ±.05 [50.55 ±1.27]	2.37 ±.05 [52.58 ±1.27]

HOW TO ORDER:

Model Number: EQ2301Z-XXY-ZZZ

Connector Type
= SMA
N = Type N
T = TNC

dB Value

440 = Epoxy Sealed Connectors.

Connector Configuration
= Male/Female
F = Fem/Fem
M = Male/Male

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 D



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