

EQUALIZER

Negative Slope, 6-18 GHz, Fixed

SPECIFICATIONS:

Models: EQ2400-XX, EQ2400-XXM, EQ2400-XXF

Electrical:

Frequency Range _____ 6 - 18 GHz
 Response Shape _____ Negative Slope
 Insertion Loss at 18 GHz:
 3 - 6 dB _____ 1.75 dB
 7 - 9 dB _____ 2.5 dB
 10 - 14 dB _____ 3.0 dB
 15 - 20 dB _____ 4.0 dB
 21 - 25 dB _____ 6.0 dB
 Amplitude at 2 GHz _____ 3 to 25 dB
 Linearity: (Relative to loss at 18 GHz)
 3 - 6 dB _____ ± 0.75 dB
 7 - 9 dB _____ ± 1.0 dB
 10 - 14 dB _____ ± 1.5 dB
 15 - 20 dB _____ ± 3.0 dB
 21 - 25 dB _____ ± 4.0 dB
 VSWR:
 Input/Output _____ 1.80:1 Max.

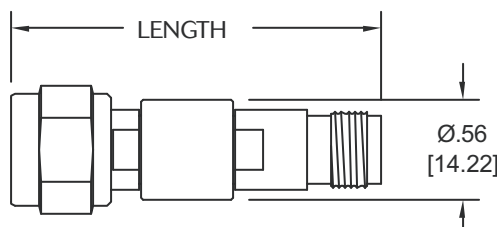
Mechanical:

Housing _____ Passivated Stainless Steel
 SMA Connectors _____ Passivated Stainless Steel
Mates with MIL-STD-348
 Conductors _____ Gold Plated Beryllium Copper
 Temperature Range:
 Operating _____ -54°C to +125°C
 Non-Operating _____ -65°C to +125°C

For Epoxy sealed Connector add -440 to Model Number

Model Number: **EQ2400T-XX**

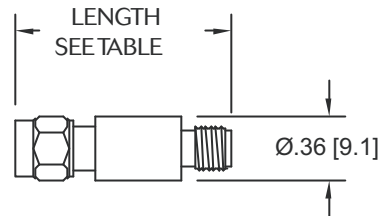
TNC CONNECTORS



Connector Configuration	OVERALL LENGTH	
	3 - 17 dB	18 - 25 dB
Male/Female	2.07 \pm .03 [52.58 \pm 0.76]	2.44 \pm .03 [61.98 \pm 0.76]
Male/Male	1.96 \pm .03 [49.78 \pm 0.76]	2.34 \pm .03 [59.44 \pm 0.76]
Female/Female	2.16 \pm .03 [54.86 \pm 0.76]	2.54 \pm .03 [64.52 \pm 0.76]

Model Number: **EQ2400-XX**

SMA CONNECTORS

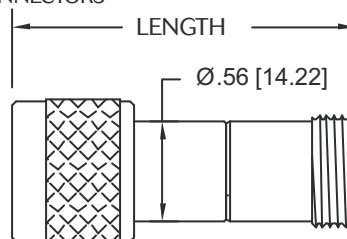


Connector Configuration	OVERALL LENGTH	
	3 - 17 dB	18 - 25 dB
Male/Female	1.205 \pm .025 [30.61 \pm 0.64]	1.575 \pm .025 [40.01 \pm 0.64]
Male/Male	1.330 \pm .030 [33.78 \pm 0.76]	1.705 \pm .030 [43.31 \pm 0.76]
Female/Female	1.060 \pm .015 [26.92 \pm 0.38]	1.445 \pm .015 [36.70 \pm 0.38]

See Website for Typical Performance Graphs and Application Notes

Model Number: **EQ2400N-XX**

TYPE N CONNECTORS



Connector Configuration	OVERALL LENGTH	
	3 - 17 dB	18 - 25 dB
Male/Female	1.90 \pm .03 [48.26 \pm 0.76]	2.28 \pm .03 [57.91 \pm 0.76]
Male/Male	1.82 \pm .03 [46.23 \pm 0.76]	2.20 \pm .03 [55.88 \pm 0.76]
Female/Female	1.99 \pm .03 [50.55 \pm 0.76]	2.37 \pm .03 [52.58 \pm 0.76]

HOW TO ORDER:

Model Number: **EQ2400Z-XXY-ZZZ**

Connector Type
 = SMA
 N = Type N
 T = TNC
 440 = Epoxy Sealed Connectors.
 Connector Configuration
 = Male/Female
 F = Fem/Fem
 M = Male/Male
 dB Value

Ordering Examples:

Model Number: **EQ2400-03**
 3 dB; SMA - Male/Fem

Model Number: **EQ2400N-18F**
 18 dB; Type N - Fem/Fem

Model Number: **EQ2400-06**
 6 dB; 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.

EQ2400: REV B



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