

EQUALIZER POSITIVE SLOPE

2 - 18 GHz FIXED



MODELS: EQ2402-XX, EQ2402-XXM, EQ2402-XXF

SPECIFICATIONS:

Electrical:

Frequency Range _____ 2 - 18 GHz

Response Shape _____ Positive Slope

Insertion Loss at 2 GHz:

3 - 8 dB _____ 0.5dB $\pm$ 0.5dB

9 - 12 dB _____ 0.75dB $\pm$ 0.5dB

13 - 17dB _____ 1.5dB $\pm$ 0.5dB

18 - 22dB _____ 2.0dB $\pm$ 1.0dB

23 - 29dB _____ 2.5dB $\pm$ 1.0dB

30 - 35dB _____ 3.0dB $\pm$ 1.0dB

36 - 45dB _____ 4.0dB $\pm$ 1.0dB

Amplitude at 18 GHz _____ 3 to 45dB
(Relative to loss at 2 GHz)

Linearity:

3 - 6dB _____ $\pm$ 0.5dB

7 - 45dB _____ $\pm$ 10%

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:

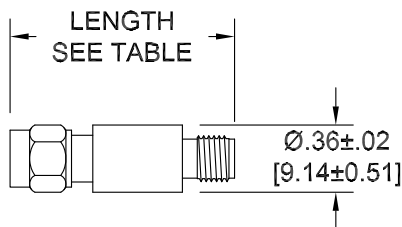
Operating _____ -55°C to +125°C

Non-Operating _____ -65°C to +125°C

See Website for Typical Performance Graphs
and Application Notes

For Epoxy sealed Connector add -440 to Model Number

Model Number: **EQ2402-XX**
SMA CONNECTORS



Connector Configuration	OVERALL LENGTH	
	3 - 17 dB	18 - 45 dB
Male/Female	1.205 $\pm$.025 [30.61 $\pm$ 0.64]	1.690 $\pm$.025 [42.93 $\pm$ 0.64]
Male/Male	1.330 $\pm$.030 [33.78 $\pm$ 0.76]	1.820 $\pm$.030 [46.23 $\pm$ 0.76]
Female/Female	1.060 $\pm$.015 [26.92 $\pm$ 0.38]	1.560 $\pm$.015 [39.62 $\pm$ 0.38]

HOW TO ORDER:

Model Number: **EQ2402-XXY-ZZZ**

dB Value _____

440 = Epoxy Sealed Connectors.

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

Ordering Examples:

Model Number: **EQ2402-03**
3 dB; SMA - Male/Fem

Model Number: **EQ2402-18F**
18 dB; SMA - Fem/Fem

Model Number: **EQ2402-06-440**
6 dB; SMA - Male/Fem; Epoxy Sealed

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.

EQ2402 ; REV C

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