

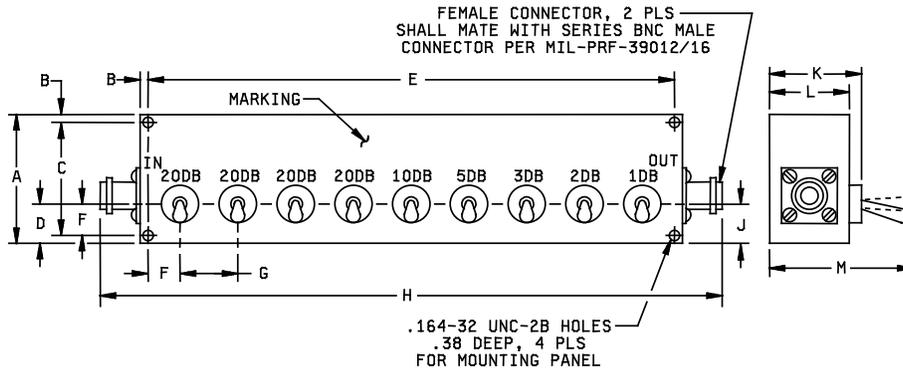
INCH-POUND
MIL-DTL-24215/10B
w/Amendment 1
17 October 2012
SUPERSEDING
MIL-DTL-24215/10B
26 January 2012

DETAIL SPECIFICATION SHEET

ATTENUATORS, VARIABLE (STEP) COAXIAL,
CLASS 7 (BNC)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the attenuators described herein shall consist of this specification sheet and MIL-DTL-24215.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.010 (.25 mm) for three place decimals and ± 0.03 (.76 mm) for two place decimals.

	Inches		Millimeters	
	Max	Min	Max	Min
A	2.06	2.00	52.3	50.8
B	.135	.115	3.43	2.92
C	1.76	1.74	44.7	44.2
D	.65	.59	16.5	15.0
E	8.26	8.24	209.8	209.3
F	.51	.49	13.0	12.4
G	.916	.896	23.27	22.76
H	9.78	9.72	248.4	246.9
J	.65	.59	16.5	15.0
K	1.47	1.41	37.3	35.8
L	1.28	1.22	32.5	31.0
M	2.28	2.22	57.9	56.4

FIGURE 1. Dimensions and configuration for part number M24215/10-001 and 002.

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REQUIREMENTS

Dimensions and configuration: See figure 1 and table I.

Attenuation range: 0 to 101 dB in 1 dB steps.

Operating ambient temperature. 0°C to +65°C.

Operating frequency range DC to 1 GHz.

Part number: See figure 1 and table I.

Finish: MIL-DTL-5541, Type II, Class 3 or Iridite R5 Chemical film TCP (Tissue Culture Plate).

TABLE I. Electrical requirements.

Part number M24215/10-	Overall accuracy ± dB	Frequency range	Insertion loss (max) dB	Voltage standing wave ratio (VSWR)	Attenuation Accuracy (per step) dB	Nominal impedance (ohms)	Input power (max)
001	0.6 1.2 2.0	DC- 250MHz 250 – 500 MHz 500 – 1000 MHz	1.2 1.2 1.2	1.4:1	DC -500 MHz: +-0.2 500-1000MHz +- 0.3	50	1.0 watt
002	1.0 1.2 2.0	DC- 250MHz 250 – 500 MHz 500 – 1000 MHz	1.2 1.2 1.2	1.5:1	DC -500 MHz: +-0.3 500-1000MHz +- 0.4	75	0.5 watt

Referenced documents. In addition to MIL-DTL-24215, this document references the following:

MIL-PRF-39012/16

MIL-DTL-5541

The margins of this specification sheet are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Custodians:
Army – CR
Navy – EC
Air Force – 85
DLA – CC

Preparing activity:
DLA – CC
(Project 5985-2012-028)

Review activities:
Army – AR, MI
Navy – AS, MC, OS, SH
Air Force – 99

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