

INCH-POUND

MIL-A-3933/24C
7 January 2014
SUPERSEDING
MIL-A-3933/24B
20 January 2009

DETAIL SPECIFICATION SHEET

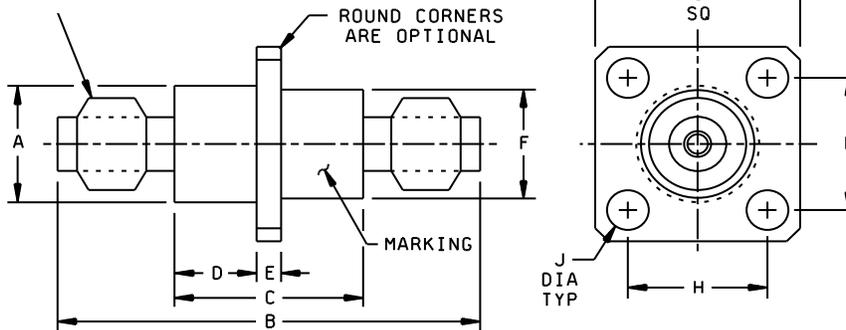
ATTENUATORS, FIXED, COAXIAL LINE (SMA CONNECTORS),
BULKHEAD, CLASS IV, LOW POWER

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

Inactive for new design
after 4 June 1999

The requirements for acquiring the product described herein
shall consist of this specification sheet and MIL-DTL-3933.

SHALL MATE WITH SMA
TYPE, MALE CONNECTOR
PER MIL-PRF-39012/55
2 PLS



Ltr	Dimensions
A	.30 ±.03
B	1.03 ± .04
C	.46 ± .02
D	.20 ± .03
E	.06 ± .010
F	.28 ± .03
G	.500
H	.340
J	.102 DIA

FIGURE 1. Dimensions and configuration

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Inches	mm	Inches	mm	Inches	mm
.010	.25	.102	2.59	.340	8.64
.02	.5	.20	5.1	.46	11.7
.03	.8	.250	6.35	.500	12.70
.04	1.0	.28	7.1	1.03	26.2
.062	1.57	.30	7.6		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .005$ (.13 mm).

FIGURE 1. Dimensions and configuration. Continued

ENGINEERING DATA:

Operating frequency range: 2 to 12.4 GHz.

Basic test frequency: 8 GHz.

Operating temperature range: -55 ° C to +125 ° C. Power input is derated linearly from +25 ° C to 0.2 watt at +125 ° C.

Maximum weight: 0.45 oz.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Nominal impedance: 50 ohms.

Attenuation: See table I for attenuation values and tolerances.

VSWR: $(1.07 + .015f) : 1$ (where f is the frequency in GHz).

Power input:

Average: 2 watts at 25° C.

Peak: 100 watts (Duty cycle of 5 percent and a maximum pulse width of 10 microseconds).

Part number: M3933/24- (and dash number from table I).

TABLE I. Attenuation values.

<u>Dash number</u>	<u>Attenuation values.</u>
01 N S	10 \pm 0.3
02 N S	15 \pm 0.5
03 N S	20 \pm 0.5

NOTES : Attenuators covered by this specification sheet are substitutable for the manufacturer's part numbers specified in table II. This information in no way implies that manufacturer's part number is suitable as a substitute for the military part number.

Military part number M3933/24-	Manufacturer's code	Manufacturer's part number	NSN
01	97942	583R575410	5985-01-083-3368
02	97942	583R575415	-----
03	97942	583R575420	-----

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Referenced documents. In addition to MIL-DTL-3933, this specification sheet references MIL-PRF-39012/55

The margins of this specification sheet are marked with vertical lines to indicate where modifications from this revision were made. 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 5985-2013-052)

Review activities:

Army - MI
Navy - AS, MC, SH

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil/>.