

INCH-POUND

MIL-DTL-83528/12D
w/ AMENDMENT1
08 January 2014
SUPERSEDING
MIL-DTL-83528/12D
23 July 2013

DETAIL SPECIFICATION SHEET

GASKETING MATERIAL, CONDUCTIVE, SHIELDING GASKET, ELECTRONIC,
ELASTOMER, ELECTRICAL, EMI/RFI, FLAT CIRCULAR WASHER

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

The requirements for acquiring the relay described herein shall
consist of this specification sheet and the latest issue of [MIL-DTL-83528](#).

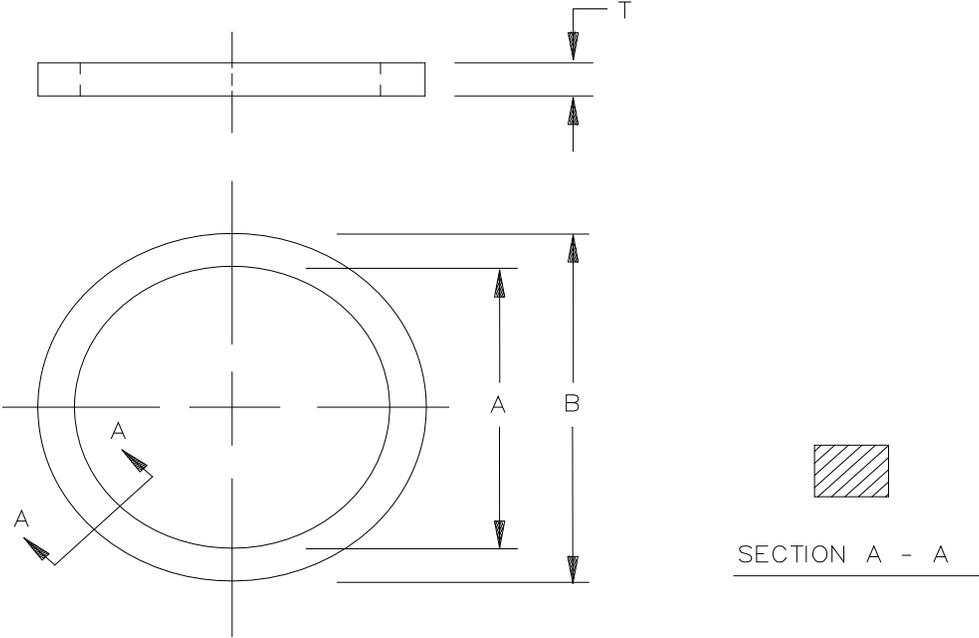


FIGURE 1. EMI/RFI gasket, elastomer, flat circular washer.

REQUIREMENTS:

Design and interface: See [figure 1](#) and [table I](#).

Material: Type A, B, C, D, E, F, H, J, K, L, or M.

Part or Identifying Number (PIN): See [table I](#).

Supersession information: See [table II](#).

TABLE I. Dimensions.

PIN <u>1/</u> M83528/012X	Nominal dimension <u>2/ 3/</u>			Cross section <u>4/</u> area (cm ²)
	A	B	T	
001	0.250 (6.35)	0.625 (15.86)	0.031 (0.79)	0.038
002			0.062 (1.57)	0.075
003	0.375 (9.53)	0.750 (19.05)	0.031 (0.79)	0.038
004			0.062 (1.57)	0.075
005	0.500 (12.70)	0.656 (16.66)	0.031 (0.79)	0.016
006			0.062 (1.57)	0.031
007	0.500 (12.70)	0.875 (22.23)	0.031 (0.79)	0.037
008			0.062 (1.57)	0.075
009	0.750 (19.50)	1.000 (25.40)	0.031 (0.79)	0.025
010			0.062 (1.57)	0.050
011	1.000 (25.40)	1.438 (36.53)	0.031 (0.79)	0.044
012			0.062 (1.57)	0.088

1/ "X" in the PIN shall be replaced by the applicable material type. Complete PIN example: M83528/012A001.

2/ Dimensions are in inches; metric equivalents are given in parenthesis and are for general information only.

3/ Tolerance shall be as follows:

<u>Dimensions</u>		<u>Tolerance</u>
Under	.101 (2.57)	± .005 (0.13)
	.101 to .200 (2.57 to 5.08)	± .010 (0.25)
	.201 to .500 (5.11 to 12.70)	± .015 (0.38)
Over	.500 (12.70)	± .020 (0.51)

4/ For calculation of volume resistivity (for reference only).

TABLE II. Supersession information.

PIN <u>1/</u> M83528/012X	Superseded DESC Drawing PIN 85111X <u>1/</u>
001	001
002	002
003	003
004	004
005	005
006	006
007	007
008	008
009	009
010	010
011	011
012	012

1/ "X" in the PIN indicates the applicable material type.

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Amendment notations. The margins of this specification 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.

Referenced documents. This document references [MIL-DTL-83528](#).

Custodians:

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

Preparing activity:

DLA – CC

(Project 5999-2013-021)

Review activities:

Air Force – 19, 99
NSA – NS

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/>.