

INCH-POUND

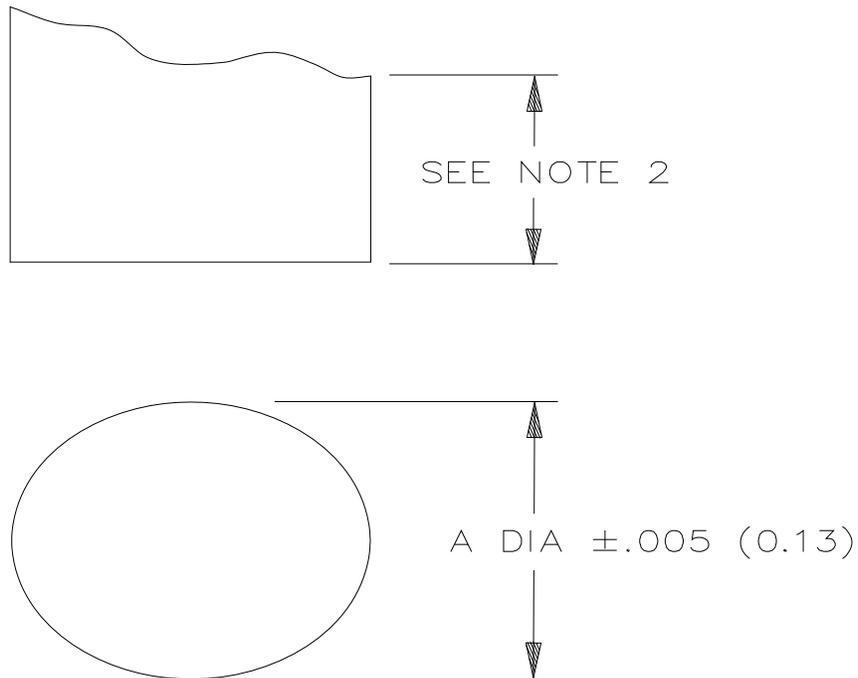
MIL-DTL-83528/1E
19 November 2013
SUPERSEDING
MIL-DTL-83528/1D
15 November 2001

DETAIL SPECIFICATION SHEET

GASKETING MATERIAL, CONDUCTIVE, SHIELDING GASKET, ELECTRONIC,
ELASTOMER, EMI/RFI, CIRCULAR STRIP, .040 THROUGH .250 DIAMETER

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 and the latest issue of [MIL-DTL-83528](#).



NOTES:

1. Dimensions are in inches; metric equivalents are given in .parenthesis and are for general information only.
2. Length shall be as specified on the purchase order.
3. Tolerance on flash shall be $\pm .008$ (0.20 mm) on the extension and $\pm .005$ (0.13 mm) on the thickness.

FIGURE 1. EMI/RFI circular strip gasket.

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> M83528/001X	Dimension A ± .005 <u>2/ 3/</u>	Cross section <u>4/</u> area (cm ²)
001	.040 (1.02)	.008
002	.053 (1.35)	.014
003	.062 (1.57)	.020
004	.070 (1.78)	.025
005	.080 (2.03)	.032
006	.093 (2.36)	.043
007	.103 (2.62)	.053
008	.119 (3.02)	.072
009	.125 (3.18)	.079
010	.139 (3.53)	.099
011	.188 (4.78)	.179
012	.216 (5.49)	.236
013	.250 (6.35)	.316

- 1/ "X" in the PIN shall be replaced by the applicable material type. Complete PIN example: M83528/001A001.
- 2/ Tolerance shall be ± .008 for parts over .200 in diameter.
- 3/ Dimensions are in inches; metric equivalents are given in parenthesis and are for general information only.
- 4/ For calculation of volume resistivity (for reference only).

TABLE II. Supersession information.

PIN <u>1/</u> M83528/001X	Superseded DESC Drawing PIN 85103X <u>1/</u>
001	001
002	002
003	003
004	004
005	N/A
006	005
007	006
008	007
009	008
010	009
011	N/A
012	010
013	N/A

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

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue 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 and relationship to the last previous issue.

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

Custodians:

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

Preparing activity:

DLA-CC

(Project 5999-2013-011)

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/>.