

INCH-POUND

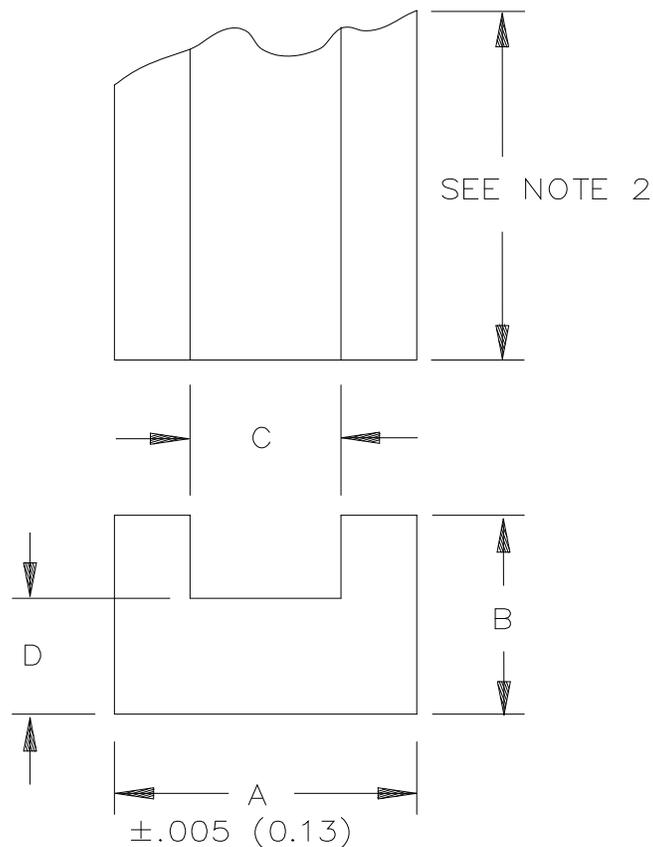
MIL-DTL-83528/10D  
12 August 2013  
SUPERSEDING  
MIL-DTL-83528/10C  
15 November 2001

DETAIL SPECIFICATION SHEET

GASKETING MATERIAL, CONDUCTIVE, ELASTOMER,  
ELECTRICAL, EMI/RFI, CHANNEL STRIP

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](#).



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.

FIGURE 1. EMI/RFI gasket, elastomer, and channel strip.

REQUIREMENTS:

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

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

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

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

TABLE I. [Dimensions](#).

PIN <a href="#">1/</a> M83528/010X	Nominal dimensions <a href="#">2/</a> <a href="#">3/</a>				Cross section area (cm <sup>2</sup> ) <a href="#">4/</a>
	A	B	C	D	
001	0.100 (2.54)	0.100 (2.54)	0.034 (0.86)	0.033 (0.84)	0.050
002	0.126 (3.20)	0.110 (2.79)	0.025 (0.64)	0.050 (1.27)	0.079
003	0.126 (3.20)	0.225 (5.72)	0.020 (0.51)	0.075 (1.91)	0.164
004	0.156 (3.96)	0.156 (3.96)	0.062 (1.57)	0.047 (1.19)	0.113
005	0.175 (4.45)	0.156 (3.96)	0.047 (1.19)	0.075 (1.91)	0.152
006	0.327 (8.31)	0.235 (5.97)	0.062 (1.57)	0.115 (2.92)	0.448

[1/](#) "X" in the PIN shall be replaced by the applicable material type. Complete PIN example: M38528/0010A001.

[2/](#) Dimensions are in inches; metric equivalents are given in parenthesis and are for general information only.

[3/](#) Tolerance shall be as follows:

Dimensions		Tolerance
Under	.101 (2.57)	± .005 (0.13)
	.101 to .200 (2.57 to 5.08)	± .008 (0.20)
	.201 to .300 (5.10 to 7.62)	± .010 (0.25)
	.301 to .500 (7.62 to 12.70)	± .015 (0.38)

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

TABLE II. [Supersession information](#).

PIN <a href="#">1/</a> M83528/010X	Superseded DESC Drawing PIN 85109X <a href="#">1/</a>
001	001
002	002
003	003
004	004
005	005
006	006

[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 5999-2013-006)

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/>.