

INCH-POUND

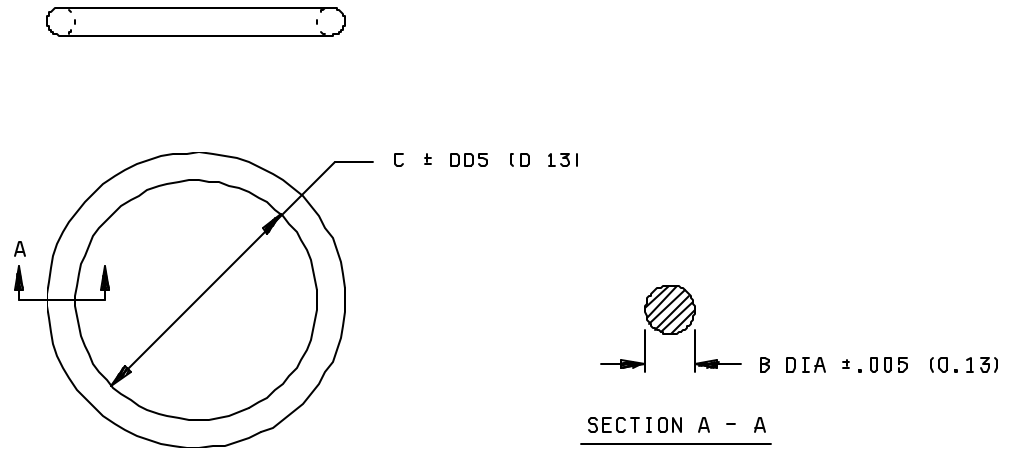
MIL-DTL-83528/2C
15 November 2001
SUPERSEDING
MIL-G-83528/2B
10 July 1992

DETAIL SPECIFICATION SHEET

GASKETING MATERIAL, CONDUCTIVE, SHIELDING GASKET, ELECTRICAL,
O-RING, STANDARD

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. Tolerance on flash shall be $\pm .008 (0.20 \text{ mm})$ on the extension and $\pm .005 (0.13 \text{ mm})$ on the thickness.

FIGURE 1. EMI/RFI O-ring gasket.

MIL-DTL-83528/2C

REQUIREMENTS:

Design and interface: See figure 1 and table I. Gaskets described herein are conductive versions of O-rings covered by AS 3578.

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 ^{1/} M83528/002X	Dimension B ^{2/} ^{3/} ^{4/}	Dimension C ^{2/} ^{4/} ^{5/}	Cross section ^{4/} area (cm ²) ^{6/}
007	.070 (1.78)	.145 (3.68)	.025
011	.070 (1.78)	.301 (7.65)	.025
012	.070 (1.78)	.364 (9.25)	.025
013	.070 (1.78)	.426 (10.82)	.025
014	.070 (1.78)	.489 (12.42)	.025
015	.070 (1.78)	.551 (13.99)	.025
017	.070 (1.78)	.676 (17.17)	.025
018	.070 (1.78)	.739 (18.77)	.025
019	.070 (1.78)	.801 (20.34)	.025
020	.070 (1.78)	.864 (21.94)	.025
021	.070 (1.78)	.926 (23.52)	.025
022	.070 (1.78)	.989 (25.12)	.025
024	.070 (1.78)	1.114 (28.30)	.025
026	.070 (1.78)	1.239 (31.47)	.025
028	.070 (1.78)	1.364 (34.65)	.025
114	.103 (2.62)	.612 (15.54)	.054
115	.103 (2.62)	.676 (17.17)	.054
117	.103 (2.62)	.799 (20.29)	.054
126	.103 (2.62)	1.362 (34.59)	.054
128	.103 (2.62)	1.487 (37.77)	.054
132	.103 (2.62)	1.737 (44.12)	.054
134	.103 (2.62)	1.862 (47.30)	.054
142	.103 (2.62)	2.362 (59.99)	.054
145	.103 (2.62)	2.550 (64.77)	.054
155	.103 (2.62)	3.987 (101.27)	.054

^{1/} "X" in the PIN shall be replaced by the applicable material type. Complete PIN example:
M38528/002A007.

^{2/} See MIL-DTL-83528/5 for additional sizes.

^{3/} Tolerance on dimension B shall be ± .003 for parts with a diameter of .070 and below; ± .005 for diameters from .101 to .200.

^{4/} Dimensions are in inches; metric equivalents are given in parenthesis and are for general information only.

^{5/} Tolerance on dimension C shall be ± .010 for parts from .000 to 1.500 ± .015 for parts from over 1.500 to 2.500; ± .020 for parts from over 2.500 to 4.500.

^{6/} For calculation of volume resistivity (for reference only).

TABLE II. Supersession information.

PIN <u>1</u> / M83528/002X	Superseded DESC drawing PIN 85105X <u>1</u> /
007	015
011	016
012	017
013	018
014	019
015	021
017	025
018	028
019	029
020	031
021	032
022	033
024	036
026	N/A
028	042
114	066
115	N/A
117	067
126	070
128	071
132	073
134	N/A
142	075
145	N/A
155	076

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

Custodian:

Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5999-0375-02)

Review activities:

Air Force – 19, 99
NSA – NS