

INCH-POUND

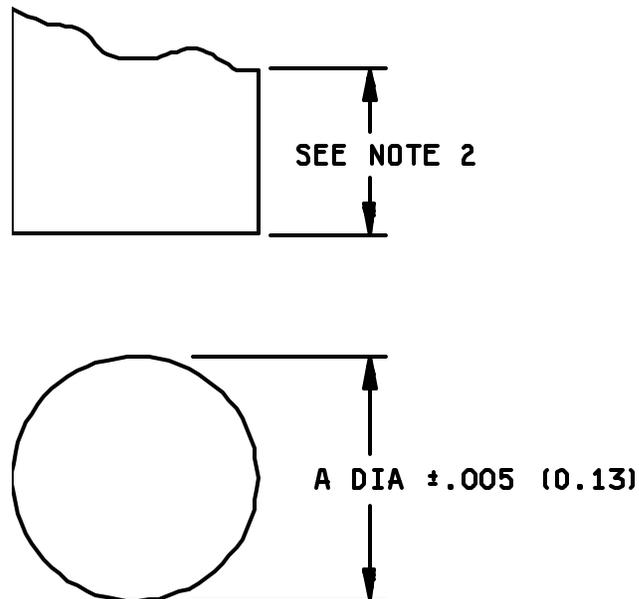
MIL-DTL-83528/1D  
15 November 2001  
SUPERSEDING  
MIL-G-83528/1C  
10 July 1992

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><br>M83528/001X | Dimension A<br>$\pm .005$ <u>2/ 3/</u> | Cross section <u>4/</u><br>area (cm <sup>2</sup> ) |
|------------------------------|--|--|
| 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: M38528/001A001.

2/ Tolerance shall be  $\pm .008$  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><br>M83528/001X | Superseded DESC drawing<br>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.

MIL-DTL-83528/1D

Custodian:

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

Preparing activity:

DLA - CC

(Project 5999-0375-01)

Review activities:

Air Force – 19, 99  
NSA – NS