

DETAIL SPECIFICATION SHEET

GASKETS, WAVEGUIDE FLANGE (COVER)

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

The requirements for acquiring the gaskets described herein
shall consist of this specification sheet and [MIL-DTL-24211](#).

REQUIREMENTS:

Dimensions and configuration: See [figure 1](#). Reference data: See [table I](#).

Part number: Consists of the basic number of this specification sheet and a dash number from [table I](#). Example:

M24211/1	-001
Basic document number	Dash number from table I

TABLE I. Reference data.

Part number M24211/1-	Used with flanges <u>1/</u>	Part number M24211/1-	Used with flanges <u>1/</u>
001	UG-51/U and UG-138/U	004	UG-1530/U
002	UG-39/U and UG-135/U	005	UG-595/U and UG- 597/U
003	UG-419/U and UG- 1665/U	006	UG-599/U

1/ Flanges are in accordance with [MIL-DTL-3922](#).



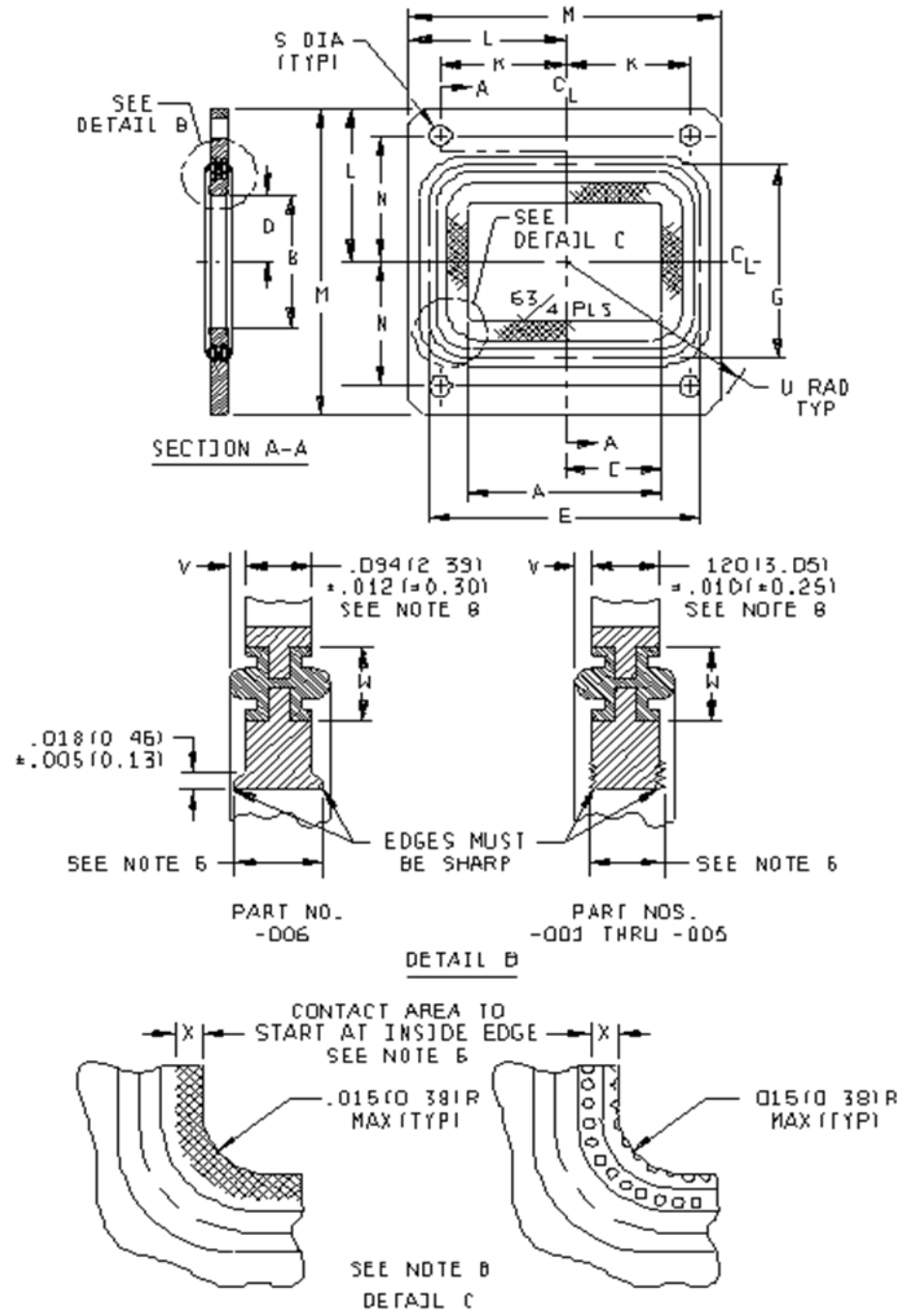


FIGURE 1. Dimensions and configuration.

MIL-DTL-24211/1D
w/AMENDMENT 1

Part number M24211/1-	A	B	C	D	E ± .01 (.25)	G ± .01 (.25)
001	1.122 ± .004 (28.50 ± .10)	.497 ± .004 (12.62 ± .10)	.561 ± .002 (14.25 ± .05)	.2485 ± .0020 (6.31 ± .05)	1.532 (38.91)	.907 (23.04)
002	.900 ± .003 (22.86 ± .08)	.400 ± .003 (10.16 ± .08)	.4500 ± .0015 (11.43 ± .04)	.2000 ± .0015 (5.08 ± .04)	1.300 (33.02)	.800 (20.32)
003	.622 ± .002 (15.80 ± .05)	.311 ± .002 (7.90 ± .05)	.311 ± .001 (7.90 ± .03)	.1555 ± .0010 (3.95 ± .03)	1.006 (25.55)	.695 (17.65)
004	.340 ± .002 (8.64 ± .05)	.170 ± .002 (4.32 ± .05)	.170 ± .001 (4.32 ± .03)	.085 ± .001 (2.16 ± .03)	.580 (14.73)	.410 (10.41)
005	.420 ± .002 (10.67 ± .05)	.170 ± .002 (4.32 ± .05)	.210 ± .001 (5.33 ± .03)	.085 ± .001 (2.16 ± .03)	.660 (16.76)	.410 (10.41)
006	.2800 ± .0015 (7.11 ± .04)	.1400 ± .0015 (3.56 ± .04)	.1400 ± .0008 (3.56 ± .02)	.0700 ± .0008 (1.78 ± .02)	.474 (12.04)	.334 (8.48)

Part number M24211/1-	K	L ± .01 (.25)	M ± .02 (.51)	N	S ± .003 (.08)	U ± .02 (.51)	V ± .005 (.13)	W ± .005 (.13)	X Min
001	.676 ± .002 (17.17 ± .05)	.94 (23.88)	1.88 (47.75)	.737 ± .002 (18.72 ± .05)	.169 (4.29)	1.25 (31.75)	.026 (.66)	.110 (2.79)	.064 (1.63)
002	.610 ± .002 (15.49 ± .05)	.82 (20.83)	1.63 (41.40)	.640 ± .002 (16.26 ± .05)	.169 (4.29)	1.06 (26.92)	.026 (.66)	.110 (2.79)	.050 (1.27)
003	.497 ± .002 (12.62 ± .05)	.66 (16.76)	1.31 (33.27)	.478 ± .002 (12.14 ± .05)	.144 (3.66)	.88 (22.35)	.026 (.66)	.110 (2.79)	.040 (1.02)
004	.320 ± .001 (8.13 ± .03)	.44 (11.18)	.88 (22.35)	.335 ± .001 (8.51 ± .03)	.116 (2.95)	.57 (14.48)	.020 (.51)	.100 (2.54)	.040 (1.02)
005	.320 ± .001 (8.13 ± .03)	.44 (11.18)	.88 (22.35)	.335 ± .001 (8.51 ± .03)	.116 (2.95)	.57 (14.48)	.020 (.51)	.100 (2.54)	.040 (1.02)
006	.250 ± .001 (6.35 ± .03)	.38 (9.65)	.75 (19.05)	.265 ± .001 (6.73 ± .03)	.116 (2.95)	.47 (11.94)	.015 (.38)	.080 (2.03)	.040 (1.02)

NOTES:

1. Dimensions are in inches.
2. Millimeters are in parentheses.
3. Metric equivalents (to the nearest 0.01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
4. Except where noted, break sharp edges and remove burrs.
5. Flange is symmetrical about both centerlines.
6. Electrical contact area to be at least 0.003 (0.08) higher than adjacent metal surface.
7. Surface roughness of mating surfaces other than the raised electrical contact area shall be no greater than 63 micro inches in accordance with [ASME-B46.1](#).
8. Any raised embossed pattern for electrical contact is acceptable provided R.F. leakage requirement is met.

FIGURE 1. Dimensions and configuration. Continued

Referenced documents. In addition to [MIL-DTL-24211](#), this document references the following:
[MIL-DTL-3922](#)
[ASME-B46.1](#)

I Amendment notations. The margins of this specification sheet are marked with vertical line 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.

Custodians:
Army - CR
Navy - EC
Air Force - 85

Preparing activity:
DLA - CC
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Review activities:
Army - MI, AR
Navy - OS, CG, SH
Air Force - 19

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