

INCH-POUND

MIL-DTL-3922/57D
23 July 2013
SUPERSEDING
MIL-DTL-3922/57C
27 May 2008

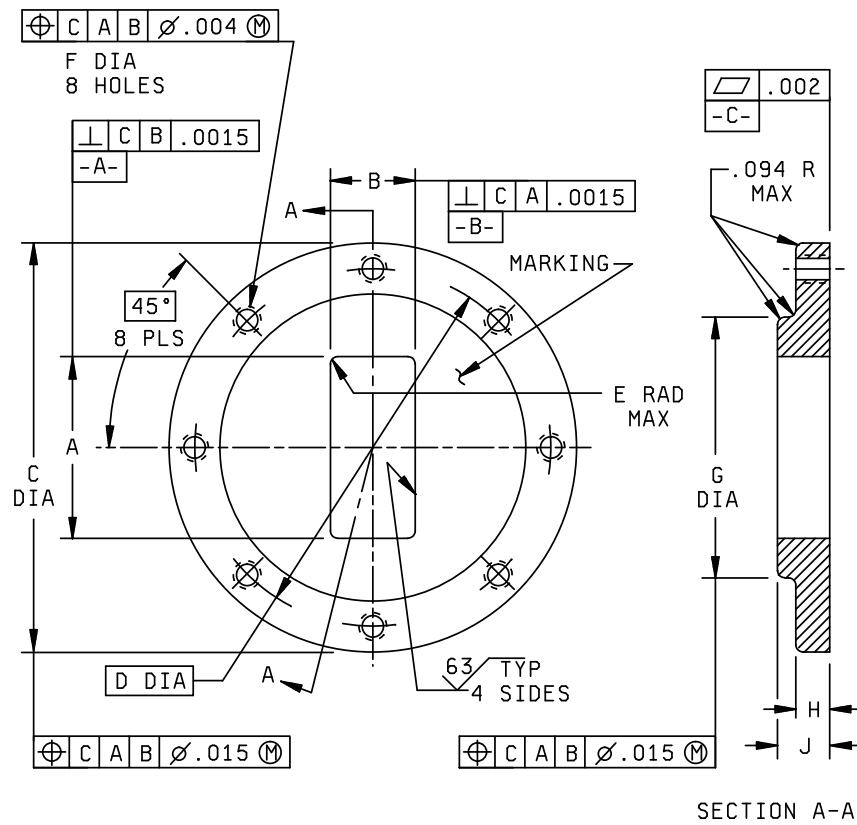
DETAIL SPECIFICATION SHEET

FLANGES, WAVEGUIDE (COVER)
(ROUND, 8 HOLE) (2 HOLES CENTERED HORIZONTALLY,
2 HOLES CENTERS VERTICALLY)

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

INACTIVE FOR NEW DESIGN
AFTER 18 SEPTEMBER 1998

The requirements for acquiring the flanges described
herein shall consist of this document and MIL-DTL 3922.



NOTES:

1. Dimensions are in inches. Dimensions are in accordance with ASME-Y14.5M.
2. Metric equivalents (to the nearest 0.01 mm) are given for general information only and are based upon 1.00 inch = 25.4 mm.
3. Metric equivalents are in parentheses.
4. Roughness of mating surfaces shall not exceed 63 microinches in accordance with ASME-B46.1, except that flaws shall be included in the roughness height measurement.

FIGURE 1. Flange configuration.

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Inches	mm
.0015	0.04
.002	0.05
.005	0.13
.015	0.38
.094	2.39
.250	6.35

TABLE I. Dash number and dimensions.

PIN M3922/57-			<u>1/</u> Dimensions								
Dash no.	Used with		A	B	C	D	E	F	G	H	J
	Waveguide M85/1-	Mating flange M3922/62-	+ .003 (0.08) - .000	+ .003 (0.08) - .000	± .015 (0.38)	BSC	Max Rad	+ .004 (0.10) - .000	± .015 (0.38)	± .015 (0.38)	± .015 (0.38)
001 <u>3/</u>	053	001	2.002 (50.85)	1.002 (25.45)	3.625 (92.08)	3.250 (82.55)	.031 (0.79)	.199 (5.05)	2.625 (66.68)	.250 (6.35)	.375 (9.53)
002 <u>2/</u>	055	002									

1/ Dimensions are in inches (millimeters are in parentheses). Dimensions are in accordance with ASME Y14.5M.

2/ Copper alloy.

3/ Aluminum alloy.

REQUIREMENTS:

Dimensions and configuration: See figure 1 and table I.

Material: Metallic alloy as specified in table I.

Marking: See figure 1.

Part or Identifying Number (PIN): M3922/57- (and PIN from table I).

TABLE II. Cross-reference and engineering information.

PIN M3922/57-	AN nomenclature	Frequency range (GHz)
001	UG-407/U	3.95-5.85
002	UG-149A/U	3.95-5.85

Referenced documents. In addition to MIL-DTL-3922, this specification sheet references the following documents:
ASME B46.1
ASME-Y14.5M

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:

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

Preparing activity:
DLA - CC

(Project 5985-2013-034)

Review activities:

Army - AV, MI
Navy - AS, MC, OS, SH
Air Force - 99

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/>.