INCH-POUND

MIL-DTL-3922/55D
23 July 2013
SUPERSEDING
MIL-DTL-3922/55C
27 May 2008

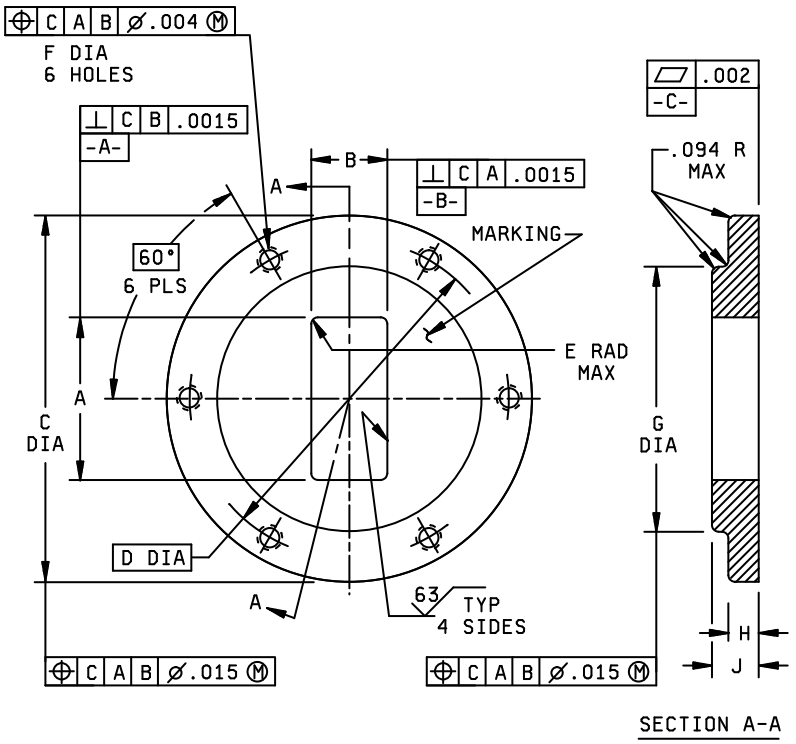
DETAIL SPECIFICATION SHEET

FLANGES, WAVEGUIDE (COVER)
(ROUND, 6 HOLE)

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

INACTIVE FOR NEW DESIGN
AFTER 18 SEPTEMBER 1998

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



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

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

FIGURE 1. Flange configuration.

TABLE I. Dash numbers and dimensions.

PIN M3922/55-			Dimensions 1/				
Dash no.	Used with		A	B	C	D	E
	Waveguide M85/1-	Mating flange M3922/60-	+.003 (0.08) -.000	+.003 (0.08) -.000	±.015 (0.38)	BSC	Max Rad
001 2/	067	001	1.503 (38.18)	.753 (19.13)	3.125 (79.38)	2.750 (69.85)	.010 (0.25)
002 3/	065	002					

Dimensions 1/ - Continued				
Dash no.	F +.004 (0.10) -.000	G ±.015 (0.38)	H ±.015 (0.38)	J ±.015 (0.38)
001 2/	.199 (5.05)	2.250 (57.15)	.250 (6.35)	.375 (9.53)
002 3/				

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.

PIN: M3922/55- (and dash number from table I).

TABLE II. Cross-reference and engineering information.

PIN M3922/55-	AN nomenclature	Frequency range (GHz)
001	UG-344/U	5.85 - 8.20
002	UG-441/U	5.85 - 8.20

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 5985-2013-032)

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/.