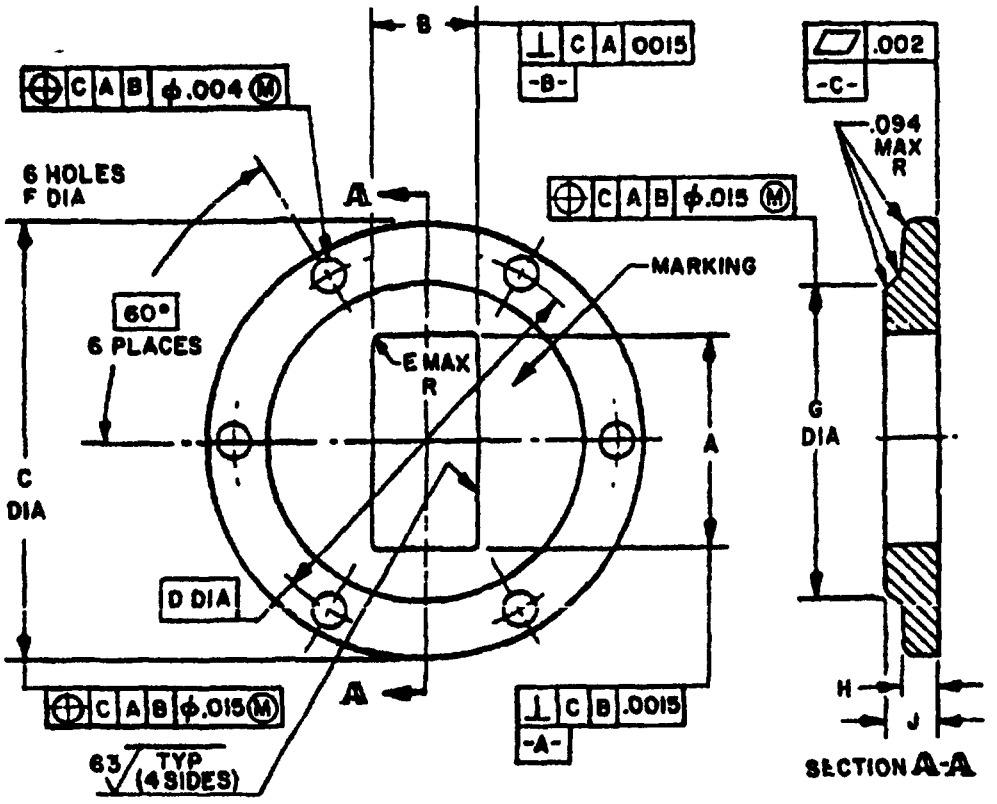
MILITARY SPECIFICATION SHEET

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

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

The complete requirements for procuring the flanges described herein shall consist of this document and the latest issue of Specification MIL-F-3922.



NOTES:
1. Dimensions are in inches.
2. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
3. Metric equivalents are in parentheses.
4. Roughness of mating surfaces shall not exceed 63 microinches in accordance with ANSI B46.1 - 1962, except that flaws shall be included in the roughness height measurement.

FIGURE 1. Flange configuration.

FSC 5985

INCHES	MM
.0015	.04
.002	.05
.005	.13
.015	.38
.094	2.39
.250	6.35

TABLE 1. Dash numbers and dimensions.

Part No. M3922/55-			Dimensions 1/				
Dash No.	Used with Waveguide M85/1-	Used with Mating flange M3922/60-	A +.003 (.08) -.000	B +.003 (.08) -.000	C ±.015 (.33)	D BSC.	E Max Rad
001 2/	067	001	1.505 (38.23)	.755 (19.18)	3.125 (79.38)	2.750 (69.85)	.010 (.25)
002 3/	065	002					

	Dimensions 1/			
Dash No.	F +.004 (.10) -.000	G ±.015 (.38)	H ±.015 (.38)	J ±.015 (.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).
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 number: M3922/55- (and dash number from table I).

TABLE II. Cross reference and engineering information.

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

Custodians.
Army - EL
Navy - EC
Air Force - 85

Review activities:
Army - MI, SG
Navy - OS
Air Force - 11, 80
DSA - ES

User activities
Army - AV
Navy - AS, MC, SH
Air Force - None

Preparing activity:
Navy - EC

Agent:
DSA - ES

(Project 5985-0818-3)