

INCH-POUND

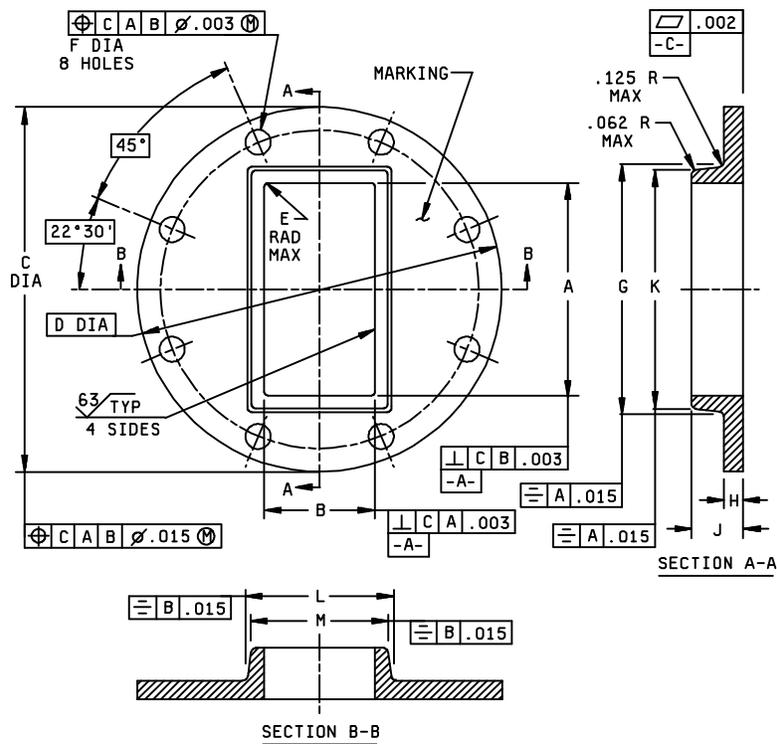
MIL-DTL-3922/56C
 6 March 2000
 SUPERSEDING
 MIL-F-3922/56B
 4 May 1976

DETAIL SPECIFICATION SHEET

FLANGES, WAVEGUIDE (COVER)
 (ROUND, 8 HOLE)

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

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



Inches	mm
.002	0.05
.003	0.08
.004	0.10
.015	0.38
.062	1.57
.125	3.18
.313	7.95

NOTES:

1. Dimensions are in inches.
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.

MIL-DTL-3922/56C

TABLE I. Dash number and dimensions.

PIN M3922/56-			Dimensions ^{1/}											
Dash no.	Used with		A	B	C	D	E	F	G	H	J	K	L	M
	Waveguide M85/1-	Mating flange M3922/61-	+0.003 (0.08)	+0.003 (0.08)	±.015 (0.38)	BSC	Max Rad	+0.003 (0.08)	±.015 (0.38)	±.015 (0.38)	±.015 (0.38)	±.015 (0.38)	Nom	±.015 (0.38)
001 ^{2/}	043	002	3.007 (76.38)	1.507 (38.28)	5.313 (134.95)	4.750 (120.65)	.062 (1.57)	.257 (6.53)	3.500 (88.90)	.250 (6.35)	.750 (19.05)	3.375 (85.73)	2.000 (50.80)	1.875 (47.63)
002 ^{3/}	041	001												

^{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 or Identifying Number (PIN): M3922/56- (and PIN from table I).

TABLE II. Cross-reference and engineering information.

PIN M3922/56-	AN nomenclature	Frequency range (GHz)
001	UG-53/U	2.60-3.95
002	UG-584/U	2.60-3.95

Custodians:

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

Preparing activity:
DLA - CC

(Project 5985-1130)

Review activities:

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