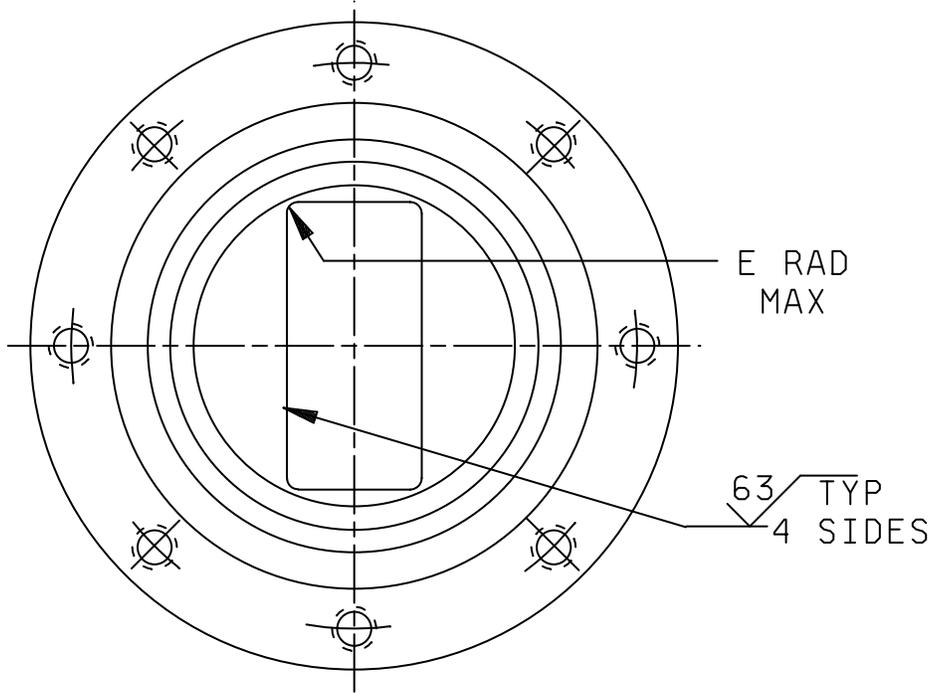


MIL-DTL-3922/62D



Inches	mm
.002	0.05
.003	0.08
.004	0.10
.005	0.13
.015	0.38
.094	2.39
.250	6.35

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are in parentheses.
3. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1.00 inch = 25.4 mm.
4. Roughness of mating surfaces, including seal groove, 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 - Continued.

MIL-DTL-3922/62D
 TABLE I. Dash number and dimensions.

PIN M3922/62-			Dimensions					
Dash no.	Used with		A ±.005 (0.13)	B ±.005 (0.13)	C ±.015 (0.38)	D BSC	E Max	F
	Waveguide M85/1-	Mating flange M3922/57-						
001 <u>2</u> /	053	001	1.872 (47.55)	.872 (22.15)	3.625 (92.08)	3.250 (82.55)	.016 (0.41)	.190-32 UNF-2A
002 <u>3</u> /	055	002	1.872 (47.55)	.872 (22.15)	3.625 (92.08)	3.250 (82.55)	.016 (0.41)	.190-32 UNF-2A

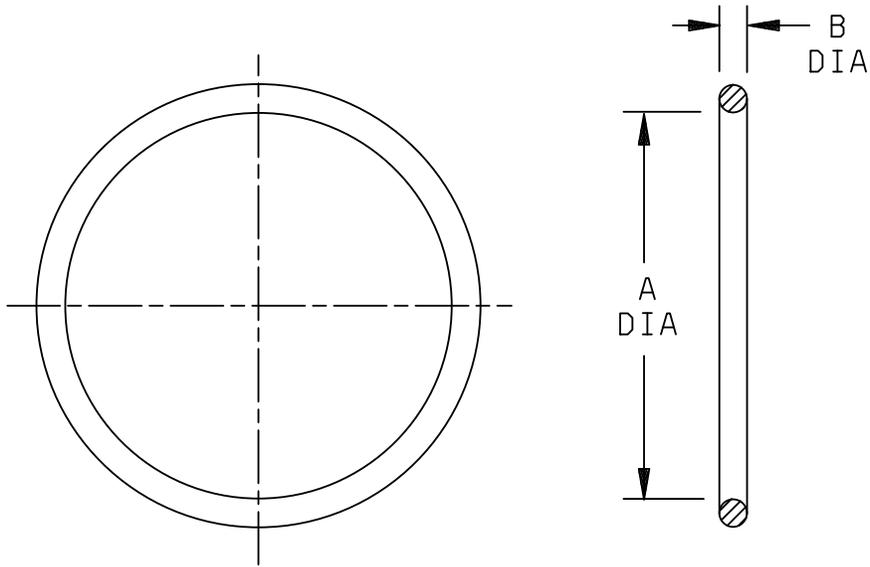
Dash no.	Dimensions								
	G ±.016 (0.41)	H ±.015 (0.38)	J +.015 (0.38) -.016 (0.41)	K ±.015 (0.38)	L +003 (0.08) -.000 (0.00)	M ±.005 (0.13)	N ±.003 (0.08)	P ±.005 (0.13)	Q ±.001 (0.03)
001 <u>2</u> /	2.750 (69.85)	.250 (6.35)	.938 (23.83)	2.500 (63.50)	2.002 (50.85)	.168 (4.27)	2.190 (55.63)	.687 (17.45)	.025 (0.64)
002 <u>3</u> /	2.750 (69.85)	.250 (6.35)	.938 (23.83)	2.500 (63.50)	2.005 (50.93)	.168 (4.27)	2.190 (55.63)	.687 (17.45)	.025 (0.64)

Dash no.	Dimensions								
	R ±.003 (0.08)	S ±.005 (0.13)	T ±.005 (0.13)	U ±.003 (0.08)	V ±.015 (0.38)	W ±.015 (0.38)	Y ±.003 (0.08)	Z ±.005 (.13)	AA ±.015 (0.38)
001 <u>2</u> /	2.556 (64.92)	3.019 (76.68)	.083 (2.11)	.570 (14.48)	.687 (17.45)	1.500 (38.10)	1.002 (25.45)	.060 (1.52)	.094 (2.39)
002 <u>3</u> /	2.556 (64.92)	3.019 (76.68)	.083 (2.11)	.570 (14.48)	.687 (17.45)	1.500 (38.10)	1.002 (25.45)	.060 (1.52)	.094 (2.39)

1/ Dimensions are in inches (millimeters are in parentheses).

2/ Aluminum alloy.

3/ Copper alloy.



Ltr	Dimensions			
	Inches		Millimeters	
	Min	Max	Min	Max
A	2.668 DIA	2.698 DIA	67.77 DIA	68.53 DIA
B	.110 DIA	.120 DIA	2.79 DIA	3.05 DIA

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. Gasket used with flanges M3922/62-001 and M3922/62-002.
4. Formerly MS PIN MS90064-16.

FIGURE 2. Gasket dimensions and configuration.

TABLE II. Materials supplied with flange.

Item	Description	Quantity
Gasket -----	Silicone rubber (see figure 2)	1
Socket-head cap screw -----	.190-32, UNF-2A, .625 inch (15.88 mm) long	8
Lockwasher -----	#10-.047 inch (1.19 mm) thick	8

REQUIREMENTS:

Dimensions and configuration:

Flange: See figure 1 and table I.

Gasket: See figure 2.

Material: Metallic alloy as specified in table I.

Materials supplied with flange: See table II.

Marking: See figure 1.

Part or Identifying Number (PIN): M3922/62- (dash number from table I).

TABLE III. Cross-reference and engineering information.

PIN M3922/62-	AN nomenclature	Frequency range (GHz)
001	UG-406B/U	3.95 - 5.85
002	UG-148C/U	3.95 - 5.85

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

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 5985-2009-039)

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.daps.dla.mil>.