

INCH-POUND

MIL-DTL-3922/68B
18 April 2016
SUPERSEDING
MIL-DTL-3922/68A
9 December 2004

DETAIL SPECIFICATION SHEET

FLANGES, WAVEGUIDE COVER (BUTT MOUNT)
(SQUARE, 4 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.

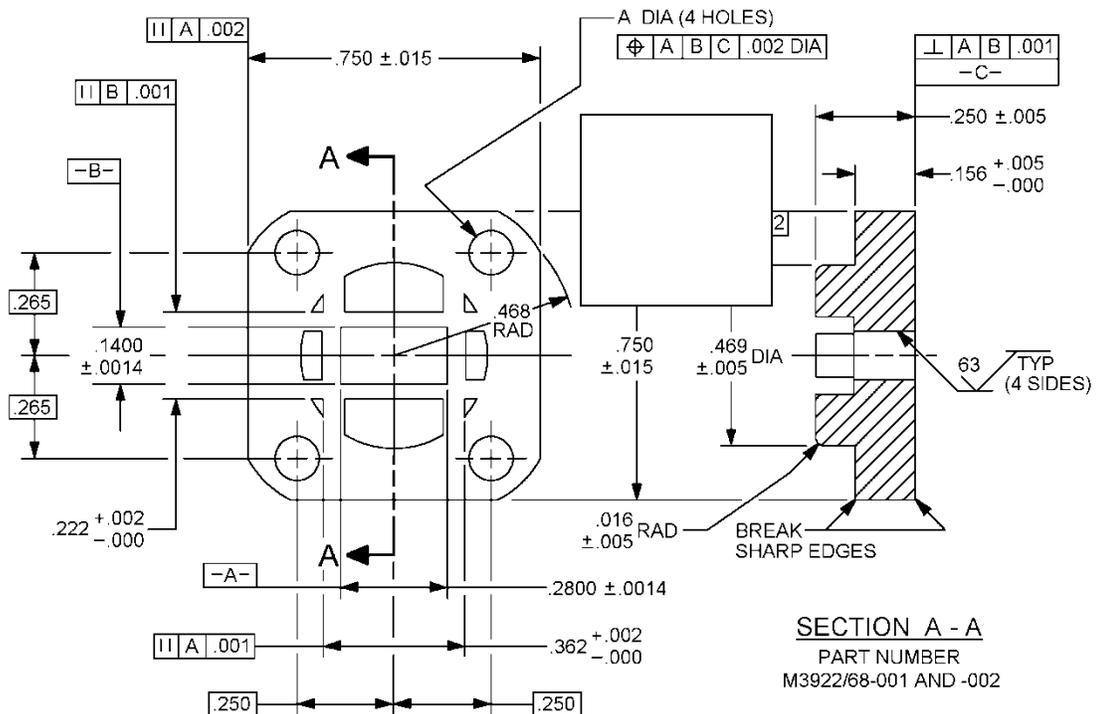
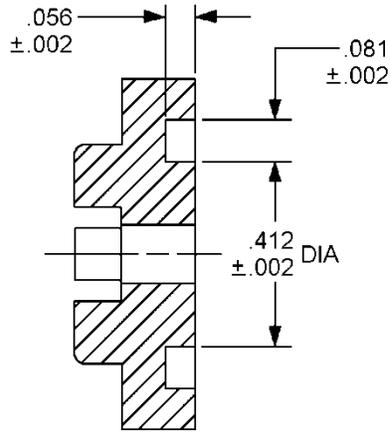


FIGURE 1. Part numbers M3922/68-001, M3922/68-002, and M3922/68-003.

AMSC N/A

FSC 5985





SECTION A - A
PART NUMBER
M3922/68-003

Inches	mm	Inches	mm	Inches	mm
.0007	0.02	.056	1.42	.265	6.73
.001	0.03	.0700	1.778	.2800	7.112
.0014	0.036	.081	2.06	.362	9.19
.002	0.05	.111	2.82	.3750	9.525
.0025	0.064	.1400	3.556	.412	10.46
.005	0.13	.156	3.96	.468	11.89
.016	0.41	.181	4.60	.469	11.91
		.250	6.35	.750	19.05

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1 inch = 25.4 mm.
3. Mating surfaces including seal groove, shall not exceed 63 micro-inches in accordance with ASME-B46.1: "Surface Texture (Surface Roughness, Waviness, and Lay)", except that flaws shall be included in the roughness height measurements.

FIGURE 1. Part numbers M3922/68-001, M3922/68-002, and M3922/68-003 - Continued.

MIL-DTL-3922/68B

TABLE I. Dimensions.

PIN M3922/68-		Dimensions	
Dash number	Waveguide used with	A	Detail
001	M85/3-006	.116 DIA +.002, -.000 (2.95 +.05, -.00)	A
	M85/3-007		
	M85/3-008		
002	M85/3-006	.112-40 UNC-2B	A
	M85/3-007		
	M85/3-008		
003	M85/3-006	.112-40 UNC-2B	B
	M85/3-007		
	M85/3-008		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1 inch = 25.4 mm.
3. Millimeters are in parentheses.

REQUIREMENTS:

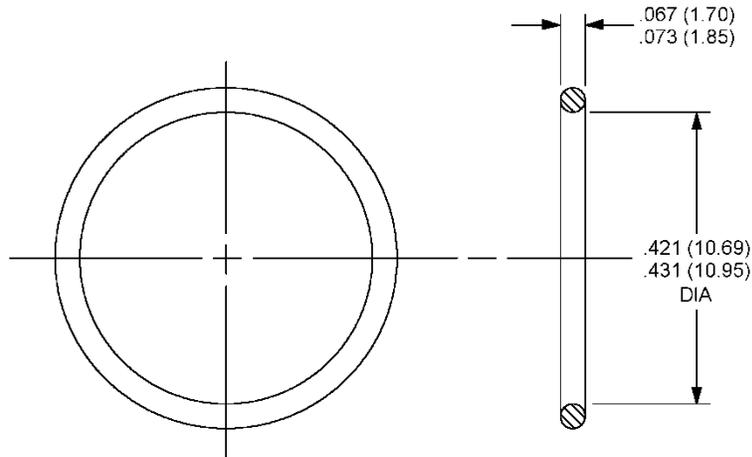
Dimensions and configuration: See figures 1 and 2, and table I.

Material: Copper alloy.

Part or Identifying Number (PIN): See table I.

ENGINEERING INFORMATION:

Frequency range: 26.5 - 40.0 GHz.



GASKET TO BE FURNISHED WITH PIN M3922/68-003

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. Millimeters are in parentheses.

FIGURE 2. Gasket.

Referenced documents. In addition to MIL-DTL-3922, this document references ASME-B46.1.

The margins of this specification sheet are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:

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

Preparing activity:
 DLA - CC

(Project 5985-2016-013)

Review activities:

Army - AR, AV, CR4, 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/>.