

| Inches | mm   |
|--------|------|
| .002   | 0.05 |
| .003   | 0.08 |
| .004   | 0.10 |
| .005   | 0.13 |
| .015   | 0.41 |
| .094   | 2.39 |
| .250   | 6.35 |

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, 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.

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TABLE I. Dash number and dimensions.

| PIN M3922/60- |                  |                         | Dimensions <sup>1/</sup> |                  |                  |                  |                |                   |                  |                  |                  |
|---------------|------------------|-------------------------|--------------------------|------------------|------------------|------------------|----------------|-------------------|------------------|------------------|------------------|
| Dash no.      | Used with        |                         | A                        | B                | C                | D                | E              | F                 | G                | H                | J                |
|               | Waveguide M85/1- | Mating flange M3922/62- | + .004<br>(0.10)         | + .004<br>(0.10) | ± .015<br>(0.38) | BSC              | Max            |                   | ± .015<br>(0.38) | ± .015<br>(0.38) | ± .015<br>(0.38) |
| 001 <u>2/</u> | 067              | 001                     | 1.372<br>(34.85)         | .622<br>(15.80)  | 3.125<br>(79.38) | 2.750<br>(69.85) | .016<br>(0.41) | .190-32<br>UNF-2B | 2.000<br>(50.80) | .250<br>(6.35)   | .750<br>(19.05)  |
| 002 <u>3/</u> | 065              | 002                     |                          |                  |                  |                  |                |                   |                  |                  |                  |

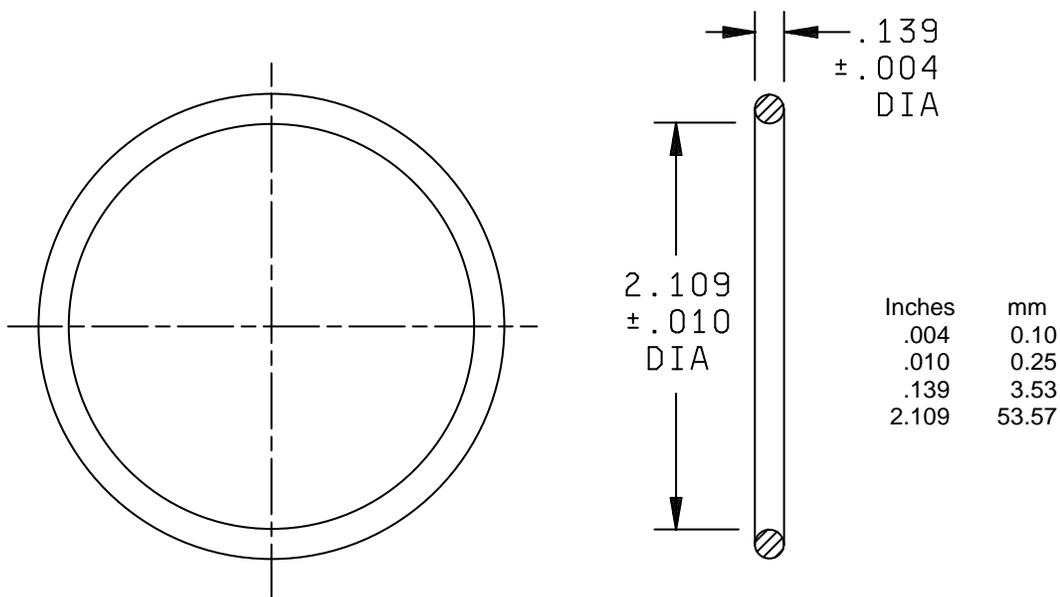
| Dash no.      | Dimensions - Continued. <sup>1/</sup> |                            |                  |                  |                  |                 |                  |                  |                  |
|---------------|---------------------------------------|----------------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|
|               | K                                     | L                          | M                | N                | P                | Q               | R                | S                | T                |
|               | ± .015<br>(0.38)                      | + .003<br>(0.08)<br>- .000 | ± .005<br>(0.13) | ± .003<br>(0.08) | ± .005<br>(0.13) | + .001<br>(0.3) | ± .003<br>(0.08) | ± .005<br>(0.14) | ± .005<br>(0.13) |
| 001 <u>2/</u> | 1.750<br>(44.45)                      | 1.503<br>(38.17)           | .188<br>(4.78)   | 1.598<br>(40.59) | .500<br>(12.70)  | .017<br>(0.43)  | 1.860<br>(47.24) | 2.380<br>(60.45) | .105<br>(2.67)   |
| 002 <u>3/</u> |                                       |                            |                  |                  |                  |                 |                  |                  |                  |

| Dash no.      | Dimensions - Continued. <sup>1/</sup> |                  |                  |                  |                  |
|---------------|---------------------------------------|------------------|------------------|------------------|------------------|
|               | U                                     | V                | W                | Y                | Z                |
|               | ± .003<br>(0.08)                      | ± .015<br>(0.38) | ± .015<br>(0.38) | + .003<br>(0.08) | ± .005<br>(0.13) |
| 001 <u>3/</u> | .405<br>(10.29)                       | .500<br>(12.70)  | 1.000<br>(25.40) | .753<br>(19.13)  | .040<br>(1.02)   |
| 002 <u>2/</u> |                                       |                  |                  |                  |                  |

<sup>1/</sup> Dimensions are in inches (millimeters are in parentheses). Dimensions are in accordance with ASME-Y14.5M.

<sup>2/</sup> Copper alloy.

<sup>3/</sup> Aluminum alloy.



NOTES:

1. Dimensions are in inches. Dimensions are in accordance with ASME-Y14.5M.
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 M3922/60-001 and M3922/60-002.
4. Formerly MS PIN MS90064-15.

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 (15.88) long | 6        |
| Lockwasher -----            | #10-.047 (1.19) thick             | 6        |

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REQUIREMENTS:

Dimensions and configuration.

Flange: See figure 1 and table I.

Gasket: See figure 2.

Material: Metallic alloy as specified in table I.

Marking: See figure 1.

Part or Identifying Number (PIN): M3922/60- (and PIN from table I).

Materials supplied with flange: See table II.

TABLE III. Cross-reference and engineering information.

| PIN<br>M3922/60- | AN nomenclature | Frequency range<br>(GHz) |
|------------------|-----------------|--------------------------|
| 001              | UG-343B/U       | 5.85-8.20                |
| 002              | UG-440B/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 5985-2013-035)

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/>.