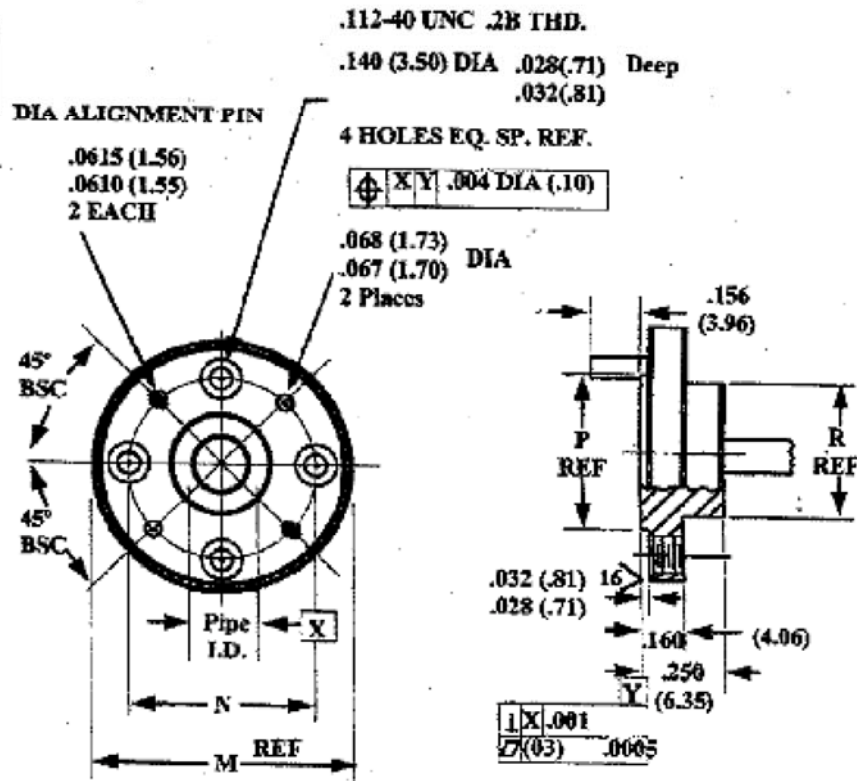


## Circular Waveguides

| Band | Pipe ID | Frequency Band |
|------|---------|----------------|
| Ku-1 | .660    | 12.4 - 14.6    |
| Ku-2 | .550    | 14.6 - 17.5    |
| K-1  | .470    | 17.5 - 20.5    |
| K-2  | .396    | 20.5 - 24.5    |
| K-3  | .328    | 24.5 - 26.5    |
| A-0  | .328    | 26 - 28.5      |
| A-1  | .281    | 28.5 - 33      |
| A-2  | .250    | 33 - 38.5      |
| A-3  | .219    | 38.5 - 43      |
| B-0  | .250    | 33 - 38.5      |
| B-1  | .219    | 38.5 - 43      |
| B-2  | .188    | 43 - 50        |
| E-0  | .219    | 38.5 - 43      |
| E-1  | .188    | 43 - 50        |
| E-2  | .163    | 50 - 58        |
| V-0  | .165    | 50 - 58        |
| V-1  | .141    | 58 - 68        |
| V-2  | .125    | 68 - 77        |
| E-6  | .141    | 58 - 68        |
| E-1  | .125    | 68 - 77        |
| E-2  | .110    | 77 - 87        |
| E-3  | .094    | 87 - 100       |
| W-0  | .110    | 77 - 87        |
| W-1  | .094    | 87 - 100       |
| W-2  | .082    | 100 - 112      |
| F-0  | .094    | 87 - 100       |
| F-1  | .082    | 100 - 112      |
| F-2  | .075    | 112 - 125      |
| F-3  | .067    | 125 - 140      |
| D-0  | .082    | 100 - 112      |
| D-1  | .075    | 112 - 125      |
| D-2  | .067    | 125 - 140      |
| D-3  | .059    | 140 - 160      |
| G-0  | .067    | 125 - 140      |
| G-1  | .059    | 140 - 220      |



| Band | M<br>+.000 / .002<br>(.05) | N<br>BSC         | P<br>+.005<br>(.13) | R<br>+.005<br>(.13) | Flange Designation | Flange Blank |
|------|----------------------------|------------------|---------------------|---------------------|--------------------|--------------|
| Ku   | 1.44<br>(36.58)            | 1.250<br>(28.6)  | .967<br>(24.6)      | .967<br>(24.6)      | 731                | 108872       |
| K    | 1.125<br>(28.58)           | .9375<br>(23.8)  | .625<br>(15.88)     | .625<br>(15.88)     | UG-425/U           | 107729-7     |
| A    | 1.125<br>(28.58)           | .9375<br>(23.81) | .500<br>(12.70)     | .468<br>(11.89)     | UG-381/U           | 107729-1     |
| B    | 1.125<br>(28.58)           | .9375<br>(23.81) | .500<br>(12.70)     | .468<br>(11.89)     | UG-383/U           | 107729-2     |
| U    | 1.125<br>(28.58)           | .9375<br>(23.81) | .500<br>(12.70)     | .468<br>(11.89)     | UG-385/U-M         | 107729-3     |
| V    | .750<br>(19.05)            | .5625<br>(14.29) | .375<br>(9.53)      | .312<br>(7.92)      | UG-387/U           | 107729-4     |
| E    | .750<br>(19.05)            | .5625<br>(14.29) | .375<br>(9.53)      | .312<br>(7.92)      | UG-387/U-M         | 107729-5     |
| W    | .750<br>(19.05)            | .5625<br>(14.29) | .375<br>(9.53)      | .312<br>(7.92)      | UG-387/U-M         | 107729-6     |
| F    | .750<br>(19.05)            | .5625<br>(14.29) | .375<br>(9.53)      | .312<br>(7.92)      | UG-387/U-M         | 107729-8     |
| D    | .750<br>(19.05)            | .5625<br>(14.29) | .375<br>(9.53)      | .312<br>(7.92)      | UG-387/U-M         | 107729-9     |
| G    | .750<br>(19.05)            | .5625<br>(14.29) | .375<br>(9.53)      | .312<br>(7.92)      | UG-387/U-M         | 107729-10    |

Where frequency has two pipe sizes take smaller pipe, except for 100 GHz and higher, then take larger pipe.