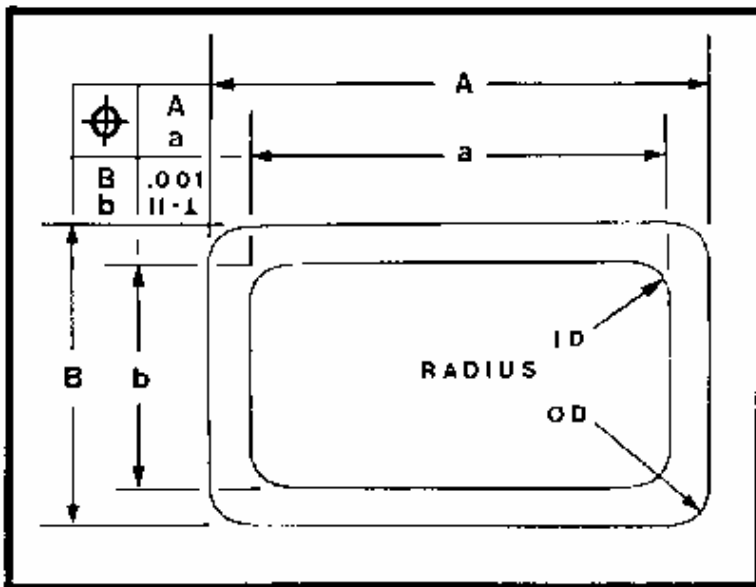


| | | | | | | | | | | | | | |
|--|-----------------------------------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Page 33 | TE ₁₀ FREQUENCY IN GHz | 18.0 | 26.5 | 33.0 | 40.0 | 50.0 | 60.0 | 75.0 | 90.0 | 110.0 | 140.0 | 170.0 | 220.0 |
| | | 26.5 | 40.0 | 50.0 | 60.0 | 75.0 | 90.0 | 110.0 | 140.0 | 170.0 | 220.0 | 260.0 | 325.0 |
| AEROWAVE FLANGE INTERFACE | | 42-0101 | 28-0101 | 22-0110 | 19-0110 | 15-0120 | 12-0120 | 10-0120 | 08-0130 | 06-0130 | 05-0130 | 04-0130 | 03-0130 |
| EIA WAVEGUIDE WR- (##) | | 42 | 28 | 22 | 19 | 15 | 12 | 10 | 08 | 06 | 05 | 04 | 03 |
| WAVEGUIDE UNFLANGED | | AEROWAVE SUPPLIES WAVEGUIDE ONLY AS A FAVORED CUSTOMER ACCOMMODATION. ALL WAVEGUIDE STOCKED HAS BEEN INSPECTED FOR SIZE AND SURFACE FINISH AND ONLY ACCEPTED AFTER IT IS DETERMINED TO BE THE BEST WAVEGUIDE MANUFACTURED AND PRODUCED THROUGHOUT THE MILLIMETER WAVE INDUSTRY'S TECHNICAL EXPERTISE | | | | | | | | | | | |
| * = STANDARD WAVEGUIDE USED IN AEROWAVE DEVICES AND PRODUCTS | | | | | | | | | | | | | |
| ALL PRICES ARE IN \$/ INCH | | | | | | | | | | | | | |
| (##)-0940/(“) | COINSILVER \$ | PI | PI | PI | PI | 8.00 * | 7.50 * | 7.00 * | 9.00 * | 10.00 * | 12.00 * | 15.00 * | 18.00 * |
| 0.040 WALL THICKNESS | MIL-W-85/ | 1-106 | 3-006 | 3-010 | 3-014 | 3-017 | 3-020 | 3-023 | 3-026 | 3-029 | 3-032 | 3-035 | 3-038 |
| (##)-0942/(“) | COPPER (OFHC) \$ | 2.25 | 2.00 | 2.00 | 2.25 | 2.00 | 2.25 | 2.50 | 3.00 | 4.00 | 6.00 | 9.00 | 12.00 |
| 0.040 WALL THICKNESS | MIL-W-85/ | 1-100 | 3-007 | 3-011 | 3-015 | 3-018 | 3-021 | 3-024 | 3-027 | 3-030 | 3-033 | 3-036 | 3-039 |
| (##)-0945/(“) | BRONZE (90/10) \$ | 1.75 * | 1.50 * | 1.50 * | 1.75 * | | | | | | | | |
| 0.040 WALL THICKNESS | MIL-W-85/ | 1-102 | 3-008 | 3-012 | 3-016 | | | | | | | | |
| (##)-0946/(“) | ALUMINUM (6061) \$ | 2.00 | 1.75 | 1.75 | 2.00 | | | | | | | | |
| 0.040 WALL THICKNESS | MIL-W-85/ | 1-104 | 3-009 | 3-013 | -- | | | | | | | | |
| (##)-0914/(“) | ST / STEEL (304) \$ | 2.50 | 2.25 | 2.25 | 2.75 | 2.75 | 3.00 | 3.25 | 3.75 | 4.00 | 4.25 | -- | -- |
| 0.010 WALL THICKNESS | MIL-W-85/ | | | | | | | | | | | | |



| EIA | W / G INSIDE DIMENSIONS | | | | W / G OUTSIDE DIMENSION | | | |
|-----|-------------------------|-------|-------|--------------------------|-------------------------|-------|-------|--------------------------|
| | WR- | a | b | $\frac{a}{b}$ Tol. \pm | Radius . | A | B | $\frac{A}{B}$ Tol. \pm |
| 42 | .420 | .170 | .0015 | .012 | .500 | .250 | .002 | .015 |
| 28 | .280 | .140 | .0015 | .008 | .360 | .220 | .002 | .012 |
| 22 | .224 | .112 | .0010 | .007 | .304 | .192 | .002 | .010 |
| 19 | .188 | .094 | .0010 | .006 | .268 | .174 | .002 | .009 |
| 15 | .148 | .074 | .0010 | .004 | .228 | .154 | .002 | .008 |
| 12 | .122 | .061 | .0005 | .004 | .202 | .141 | .002 | .007 |
| 10 | .100 | .050 | .0005 | .003 | .180 | .130 | .002 | .007 |
| 08 | .080 | .040 | .0003 | .002 | .160 | .120 | .0015 | .006 |
| 06 | .065 | .0325 | .0003 | .002 | .145 | .1125 | .0015 | .005 |
| 05 | .051 | .0255 | .0003 | .002 | .131 | .1055 | .0015 | .005 |
| 04 | .043 | .0215 | .0003 | .001 | .123 | .1015 | .0015 | .004 |
| 03 | .034 | .0170 | .0003 | .001 | .114 | .0970 | .0015 | .004 |