

| TE <sub>01</sub> Specifications |                 |  |                                |                 |           |
|---------------------------------|-----------------|--|--------------------------------|-----------------|-----------|
| Circular Waveguide              |                 |  | MIL-W-23068 Circular Waveguide |                 |           |
| I.D. O.D (inches)               | Frequency (GHz) |  | I.D. O.D (inches)              | Frequency (GHz) | Type.     |
| 1.500 X 1.750                   | 11.6–16.0       |  | 1.500 X 1.700                  | 11.6–16.0       | WRC530D14 |
| 1.265 x 1.375                   | 13.2–18.9       |  | 1.281 X 1.441                  | 13.6–18.7       | WRC621D14 |
| 1.106 x 1.250                   | 15.9–21.9       |  | 1.094 X 1.224                  | 15.9–21.9       | WRC727D14 |
| 0.951 X 1.125                   | 18.6–25.6       |  | 0.938 X 1.068                  | 18.6–25.6       | WRC849D14 |
| 0.686 X 0.750                   | 25.3–34.9       |  | 0.797 X 0.897                  | 21.9–30.1       | WRC997D14 |
| 0.688 X 0.888                   | 25.3–34.9       |  | 0.688 X 0.788                  | 25.3–34.9       | WRC116C14 |
| 0.634 X 0.750                   | 27.3–38.8       |  | 0.594 X 0.674                  | 29.3–40.4       | WRC134C14 |
| 0.545 X 0.625                   | 32.4–44.0       |  | —                              | —               | N/A       |
| 0.495 X 0.625                   | 34.8–48.0       |  | 0.500 X 0.580                  | 34.8–48.0       | WRC159C14 |
| —                               | —               |  | 0.438 X 0.518                  | 39.8–54.8       | WRC182C14 |
| 0.370 X 0.500                   | 46.4–63.9       |  | 0.375 X 0.435                  | 46.4–63.9       | WRC212C14 |
| 0.353 X 0.438                   | 50.0–68.0       |  | 0.328 X 0.388                  | 53.1–73.1       | WRC243C14 |
| 0.291 X 0.375                   | 62.0–84.0       |  | 0.281 X 0.341                  | 61.9–85.0       | WRC283C14 |
| 0.249 X 0.313                   | 69.7–95.9       |  | 0.250 X 0.290                  | 69.7–95.9       | WRC318C14 |
| 0.201 X 0.290                   | 86.0–115.0      |  | 0.219 X 0.259                  | 79.6–110.0      | WRC364C14 |
| 0.186 X 0.250                   | 93.0–128.0      |  | 0.188 X 0.228                  | 92.9–128.0      | WRC424C14 |
| —                               | —               |  | 0.172 X 0.212                  | 101.0–139.0     | WRC463C14 |
| —                               | —               |  | 0.141 X 0.181                  | 124.0–171.0     | WRC566C14 |