# 附录Ⅰ：常用单位转换、计算公式参考

## Ⅲ-（1） 普通矩形波导

### ○ 技术指标

| 型号名称 | 主模频率范围GHz | | 内截面 | | | |
|---|---|---|---|---|---|---|
| | 从 | 到 | 基本宽度a | 基本宽度b | 宽和高的偏差+- | 圆角最大直径r1 |
| BJ3 | 0.32 | 0.49 | 584.2 | 292.10 | — | 1.5 |
| BJ4 | 0.35 | 0.53 | 533.4 | 266.70 | — | 1.5 |
| BJ5 | 0.41 | 0.62 | 457.2 | 228.60 | — | 1.5 |
| BJ6 | 0.49 | 0.75 | 381.0 | 190.50 | — | 1.5 |
| BJ8 | 0.64 | 0.98 | 292.10 | 146.05 | — | 1.5 |
| BJ9 | 0.76 | 1.15 | 247.65 | 123.82 | — | 1.2 |
| BJ12 | 0.96 | 1.46 | 195.58 | 97.79 | — | 1.2 |
| BJ14 | 1.13 | 1.73 | 165.10 | 82.55 | 0.33 | 1.2 |
| BJ18 | 1.45 | 2.20 | 129.54 | 64.77 | 0.26 | 1.2 |
| BJ22 | 1.72 | 2.61 | 109.22 | 54.61 | 0.22 | 1.2 |
| BJ26 | 2.17 | 3.30 | 86.36 | 43.18 | 0.17 | 1.2 |
| BJ32 | 2.60 | 3.95 | 72.14 | 34.04 | 0.14 | 1.2 |
| BJ40 | 3.22 | 4.90 | 58.17 | 29.08 | 0.12 | 1.2 |
| BJ48 | 3.94 | 5.99 | 47.549 | 22.149 | 0.095 | 0.8 |
| BJ58 | 4.64 | 7.05 | 40.386 | 20.193 | 0.081 | 0.8 |
| BJ70 | 5.38 | 8.17 | 34.849 | 15.799 | 0.070 | 0.8 |
| BJ84 | 6.57 | 9.99 | 28.499 | 12.624 | 0.057 | 0.8 |

## Ⅲ-（2） 普通矩形波导

### ○ 技术指标

| 型号名称 | 主模频率范围GHz | | 内截面 | | | |
|---|---|---|---|---|---|---|
| | 从 | 到 | 基本宽度a | 基本宽度b | 宽和高的偏差+- | 圆角最大直径r1 |
| BJ100 | 8.20 | 12.5 | 22.860 | 10.160 | 0.046 | 0.8 |
| BJ120 | 9.84 | 15.0 | 19.050 | 9.525 | 0.038 | 0.8 |
| BJ140 | 11.9 | 18.0 | 15.799 | 7.899 | 0.031 | 0.4 |
| BJ180 | 14.5 | 22.0 | 12.954 | 6.477 | 0.026 | 0.4 |
| BJ220 | 17.6 | 26.7 | 10.688 | 4.318 | 0.021 | 0.4 |
| BJ260 | 21.7 | 33.0 | 8.636 | 4.318 | 0.020 | 0.4 |
| BJ320 | 26.3 | 40.0 | 7.112 | 3.556 | 0.020 | 0.4 |
| BJ400 | 32.9 | 50.1 | 5.690 | 2.845 | 0.020 | 0.3 |
| BJ500 | 39.2 | 59.6 | 4.775 | 2.388 | 0.020 | 0.3 |
| BJ620 | 49.8 | 75.8 | 3.759 | 1.880 | 0.020 | 0.2 |
| BJ740 | 60.5 | 91.9 | 3.0988 | 1.5494 | 0.0127 | 0.15 |
| BJ900 | 73.8 | 112 | 2.5400 | 1.2700 | 0.0127 | 0.15 |
| BJ1200 | 92.2 | 140 | 2.0320 | 1.0160 | 0.0076 | 0.15 |
| BJ1400 | 113 | 173 | 1.6510 | 0.8255 | 0.0064 | 0.038 |
| BJ1800 | 145 | 220 | 1.2954 | 0.6477 | 0.0064 | 0.038 |
| BJ2200 | 172 | 261 | 1.0922 | 0.5461 | 0.0051 | 0.038 |
| BJ2600 | 217 | 330 | 0.8636 | 0.4318 | 0.0051 | 0.038 |