

HST Series Flanged Waveguide 18 – 220 GHz



HXI's series HST series of flanged waveguide is available in standard or custom lengths from WR-42 through WR-5 waveguide sizes (18 to 220 GHz). Precise attachment of flanges insure minimal discontinuity and a very low VSWR (typically 1.05:1 over each waveguide band).

HXI's quality flanged waveguide provides precision connections between subsystem components with little impact on signal level and inter-component match.

| Model Number | WR Designation and Flange* | Waveguide Size (inches/mm) | Frequency Range (GHz) |
|--------------|----------------------------|--------------------------------|-----------------------|
| HST62 | WR-62, UG-419 | 0.622 x 0.311 (15.80 x 7.90) | 12.4 to 18.0 |
| HST42 | WR-42, UG-595 | 0.420 x 0.170 (10.66 x 5.33) | 18.0 to 26.5 |
| HST28 | WR-28, UG-599 | 0.280 x 0.140 (7.12 x 3.56) | 26.5 to 40.0 |
| HST22 | WR-22, UG-383 | 0.224 x 0.112 (5.68 x 2.84) | 33.0 to 50.0 |
| HST19 | WR-19, UG-383/U | 0.188 x 0.094 (4.78 x 2.39) | 40.0 to 60.0 |
| HST15 | WR-15, UG-385/U | 0.148 x 0.074 (3.76 x 1.88) | 50.0 to 75.0 |
| HST12 | WR-12, UG-387/U | 0.122 x 0.061 (3.10 x 1.55) | 60.0 to 90.0 |
| HST10 | WR-10, UG-387/U-M | 0.100 x 0.050 (2.54 x 1.27) | 75.0 to 110.0 |
| HST8 | WR-8, UG-387/U-M | 0.080 x 0.040 (2.04 x 1.02) | 90.0 to 140.0 |
| HST6.5 | WR-6.5, UG-387/U-M | 0.065 x 0.0325 (1.65 x 0.8255) | 110.0 to 170.0 |
| HST5 | WR-5, UG-387/U-M | 0.051 x 0.0255 (1.30 x 0.650) | 140.0 to 220.0 |

*Contact factory for alternate flange types; minimum order size may apply.

Ordering Information

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