

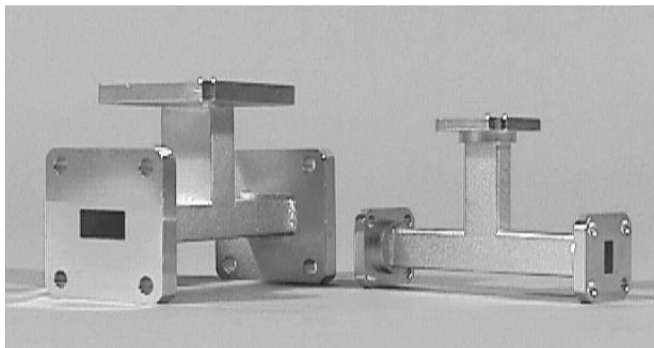


E- & H-Plane Waveguide Tees

QUH

Characteristics

- ◆ Unmatched Ports
- ◆ Geometrical Symmetry
- ◆ Available from 12.4 to 220 GHz
- ◆ Equal Power Division Between the Two Outputs



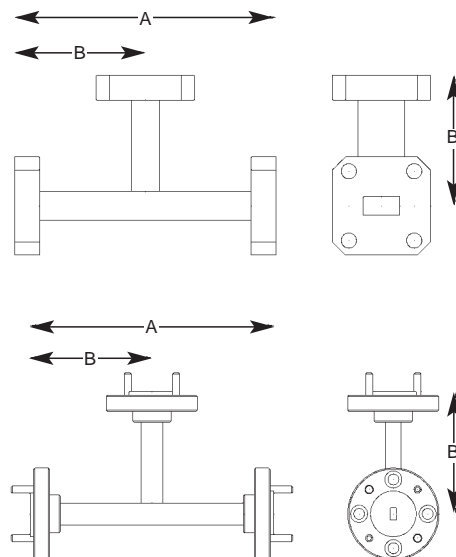
Product Description

QuinStar Technology's E-plane tees consist of a length of standard flanged waveguide with a perpendicular E-plane coupling arm symmetrically located on the broad waveguide wall. Input power is divided equally and in opposite phase between the two outputs.

Similarly, the H-plane tees feature an H-plane coupling arm located on the narrow waveguide wall. Power at the coupling arm input is divided into equal signals in phase at the main outputs. These devices are available in standard waveguide sizes from 12.4 to 220 GHz. Neither of the tees has matched junctions and therefore they are not recommended for low VSWR applications.

Outline Drawings/Mechanical Specifications

| FREQUENCY BAND | OUTLINE DIMENSIONS, inches/mm | |
|----------------|-------------------------------|------------|
| | A | B |
| Ku | 2.5/63.5 | 1.25/31.75 |
| K | 2.00/50.80 | 1.00/25.40 |
| Ka | 2.40/60.96 | 1.20/30.48 |
| Q | 2.40/60.96 | 1.20/30.48 |
| U | 2.40/60.96 | 1.20/30.48 |
| V | 2.00/50.80 | 1.00/25.40 |
| E | 2.00/50.80 | 1.00/25.40 |
| W | 2.00/50.80 | 1.00/25.40 |
| F | 1.5/38.10 | 0.75/19.05 |
| D | 1.5/38.10 | 0.75/19.05 |
| G | 1.5/38.10 | 0.75/19.05 |



Ordering Information

Model Number **QUH - A B 000**

waveguide band designator

waveguide plane

- Y = Ku-band
- K = K-band
- A = Ka-band
- Q = Q-band
- U = U-band
- V = V-band

- E = E-band
- W = W-band
- F = F-band
- D = D-band
- G = G-band

- E = E-plane tee
- H = H-plane tee