

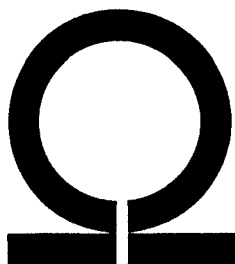
## TUNER-E-H

A series of instruments which are used to match out large discontinuities in waveguide systems. VSWRs in the order of 20 to 1 can be reduced to 1.02 or less.

Standard units are of brass construction. They consist of a hybrid tee section fabricated from precision waveguide with standard cover flanges attached to both ends of the thru line. The E and H Plane arms are terminated with lead screw driven contacting type shorting assemblies. The shorting units are the same precision assemblies used in the 490 series waveguide shorts. Travel is adjustable over 0.6 wavelength minimum in all models.

A variety of options are available on factory quotation. Among these are the addition of a scale and vernier, dial gauges or micrometer head for accurate calibration of the position of the reference plane. Non-contracting "bucket" shorts are available for most models.

| Model | Waveguide EIA | Frequency Range (GHZ) | Flange    | Insertion Length (In.) | A (In.) | B (In.) |
|-------|---------------|-----------------------|-----------|------------------------|---------|---------|
| 362   | WR-284        | 2.60-3.95             | UG-53/U   | 7.50                   | 13.25   | 12.50   |
| 363   | WR-229        | 3.30-4.90             | CMR-229   | 6.50                   | 10.00   | 9.50    |
| 364   | WR-187        | 3.95-5.85             | UG-149A/U | 5.75                   | 9.25    | 8.75    |
| 365   | WR-159        | 4.90-7.05             | CMR-159   | 5.25                   | 8.00    | 7.63    |
| 366   | WR-137        | 5.85-8.20             | UG-344/U  | 5.13                   | 6.50    | 6.13    |
| 367   | WR-112        | 7.05-10.0             | UG-51/U   | 3.31                   | 5.63    | 5.25    |
| 3368  | WR-102        | 7.00-11.0             | UG-1493/U | 3.25                   | 5.63    | 5.25    |
| 368   | WR-90         | 8.20-12.4             | UG-39/U   | 3.13                   | 5.00    | 4.75    |
| 3365  | WR-75         | 10.0-15.0             | M70/016   | 2.75                   | 7.75    | 4.50    |
| 369   | WR-62         | 12.4-18.0             | UG-419/U  | 2.63                   | 4.13    | 4.00    |
| 3366  | WR-51         | 15.0-22.0             | M70/002   | 2.38                   | 4.00    | 3.88    |



**OMEGA LABORATORIES INC.**