

Test report is for reference only.

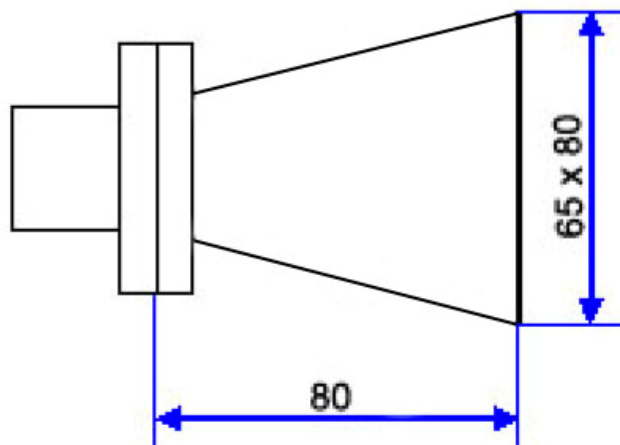
**TEST REPORT**  
**For**  
**OLB-159-13.5**



## Technical Specification

| Frequency Range | Gain (Typ.) | Waveguide | Material | Size           | Net Weight     |
|-----------------|-------------|-----------|----------|----------------|----------------|
| 4.0-8.0GHz      | 13.5dBi     | WR159     | Al       | 65 x 80 x 80mm | 0.39 Kg Around |

## Outline Drawing



## Test Results

### 1. Gain

| Frequency(GHz) | 4.0  | 4.5  | 5.0  | 5.5  | 6.0  | 6.5  | 7.0  | 7.5  | 8.0  |
|----------------|------|------|------|------|------|------|------|------|------|
| Gain(dBi)      | 10.0 | 10.9 | 11.8 | 12.8 | 13.6 | 13.9 | 14.6 | 15.2 | 15.5 |

### 2. Beamwidth

| Frequency(GHz) | H(°) | E(°) |
|----------------|------|------|
| 4.0            | 57.3 | 57.0 |
| 4.5            | 52.7 | 51.8 |
| 5.0            | 47.9 | 46.8 |
| 5.5            | 43.0 | 41.7 |
| 6.0            | 40.4 | 36.2 |
| 6.5            | 37.1 | 34.7 |
| 7.0            | 34.9 | 33.9 |
| 7.5            | 33.2 | 30.8 |
| 8.0            | 31.3 | 28.7 |

### 3. VSWR

