

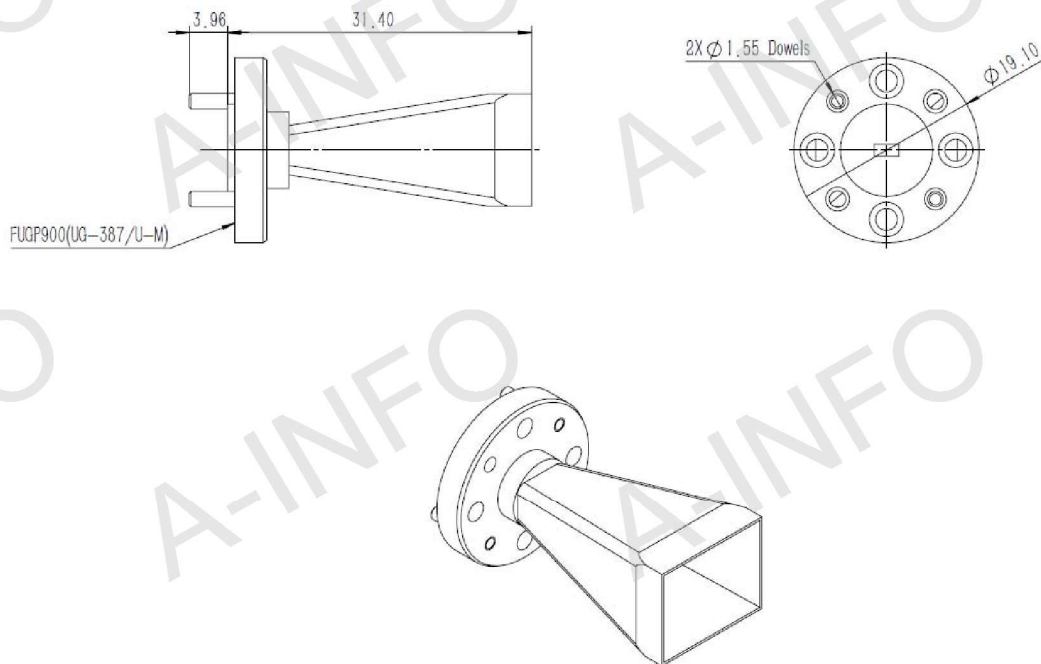
Technical Specification



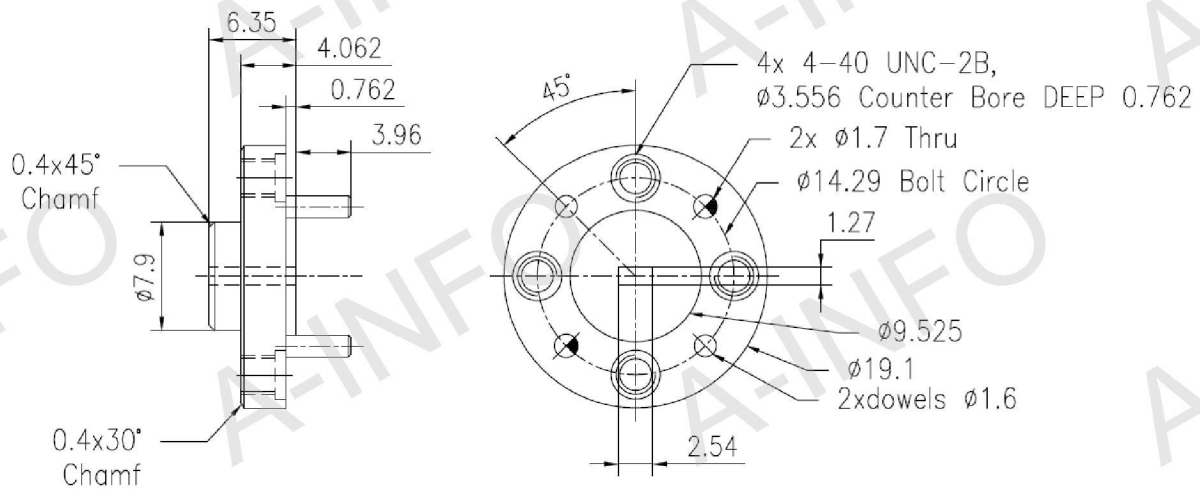
| | |
|--------------------------|---------------------|
| Frequency Range(GHz) | 75.0 - 110.0 |
| Waveguide | WR10 |
| Gain(dBi) | 20 Typ. |
| Polarization | Linear |
| 3dB Beamwidth(deg) | 18 Typ. |
| Cross Pol. Isolation(dB) | 40 Typ. |
| VSWR | 1.10:1 Typ. |
| Output | FUGP900(UG-387/U-M) |
| Material | Cu |
| Size(mm) | 19.1 x 19.1 x 31.4 |
| Net Weight(Kg) | 0.02 Around |

Outline Drawing (Size: mm)

A Type (With FUGP900 Output)



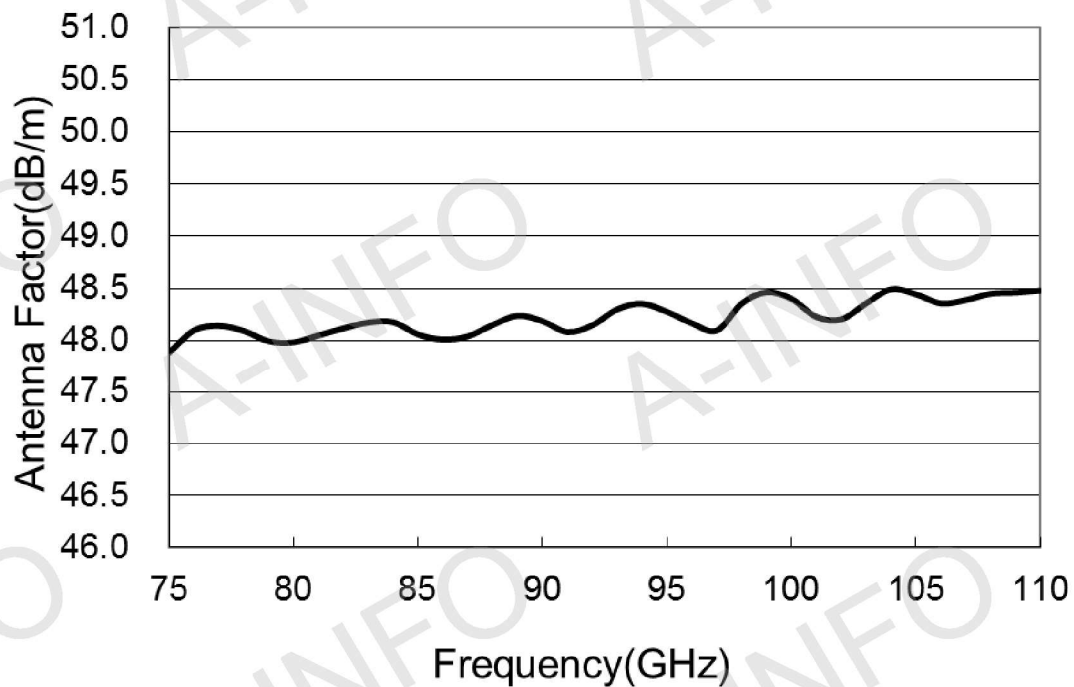
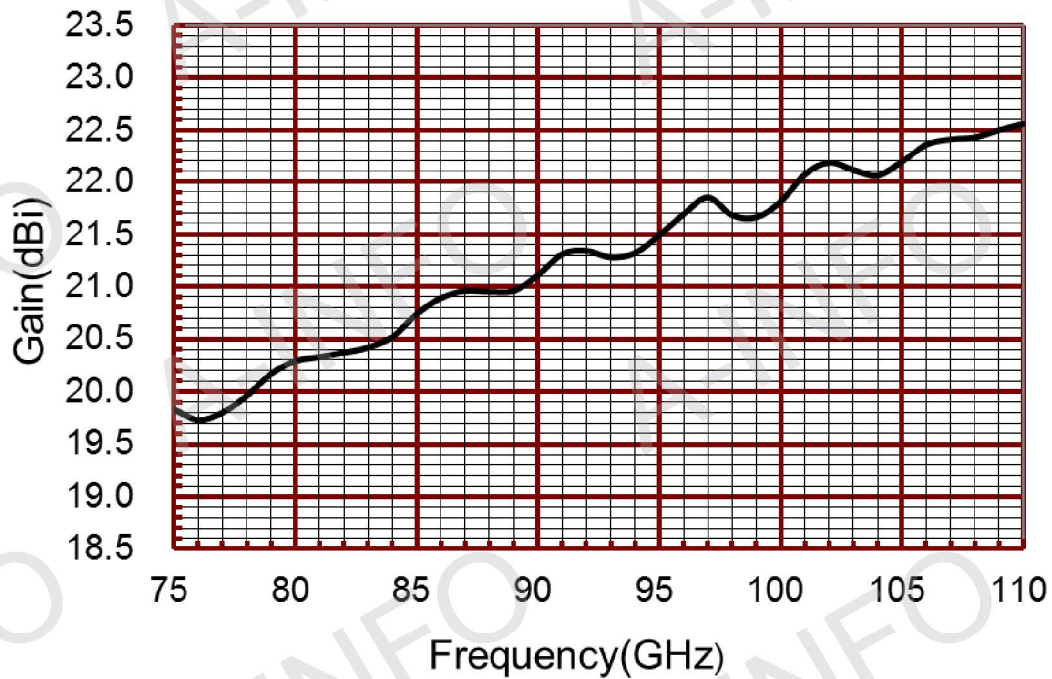
Flange Drawing (Size: mm)



FUGP900
(equivalent to UG-387/U-M)

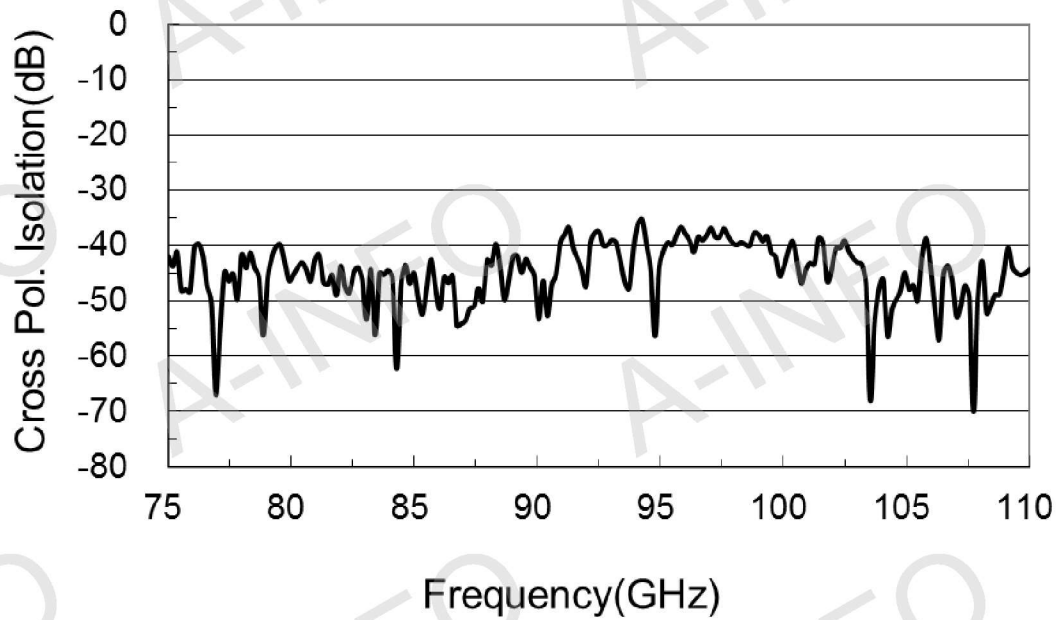
Test Results

1. Gain & Antenna Factor

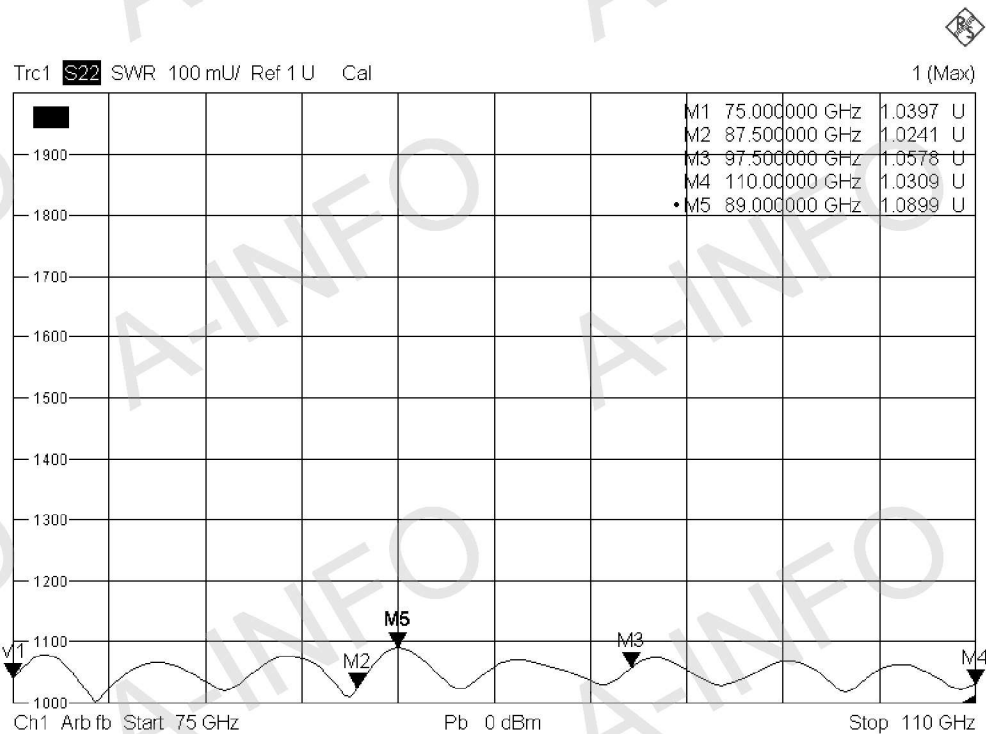


| Frequency(GHz) | Gain(dBi) | Antenna Factor(dB/m) |
|----------------|-----------|----------------------|
| 75 | 19.83 | 47.88 |
| 76 | 19.73 | 48.10 |
| 77 | 19.80 | 48.14 |
| 78 | 19.96 | 48.09 |
| 79 | 20.17 | 47.99 |
| 80 | 20.29 | 47.98 |
| 81 | 20.33 | 48.05 |
| 82 | 20.37 | 48.12 |
| 83 | 20.42 | 48.17 |
| 84 | 20.52 | 48.18 |
| 85 | 20.74 | 48.06 |
| 86 | 20.89 | 48.01 |
| 87 | 20.96 | 48.04 |
| 88 | 20.95 | 48.15 |
| 89 | 20.96 | 48.24 |
| 90 | 21.11 | 48.18 |
| 91 | 21.31 | 48.08 |
| 92 | 21.34 | 48.15 |
| 93 | 21.28 | 48.30 |
| 94 | 21.32 | 48.35 |
| 95 | 21.49 | 48.27 |
| 96 | 21.69 | 48.17 |
| 97 | 21.85 | 48.10 |
| 98 | 21.68 | 48.35 |
| 99 | 21.66 | 48.46 |
| 100 | 21.81 | 48.40 |
| 101 | 22.07 | 48.23 |
| 102 | 22.18 | 48.20 |
| 103 | 22.11 | 48.36 |
| 104 | 22.06 | 48.49 |
| 105 | 22.19 | 48.44 |
| 106 | 22.36 | 48.36 |
| 107 | 22.41 | 48.39 |
| 108 | 22.43 | 48.45 |
| 109 | 22.50 | 48.46 |
| 110 | 22.56 | 48.48 |

2. Cross Polarization Isolation



3. VSWR



4. Pattern

