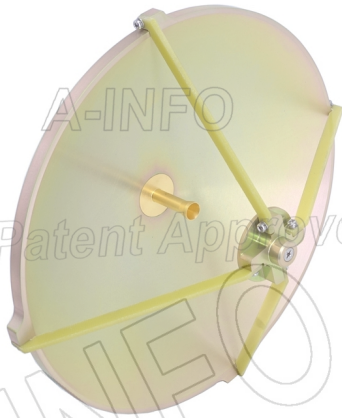


For reference only. See data sheet for the detailed specifications.

## Technical Specification



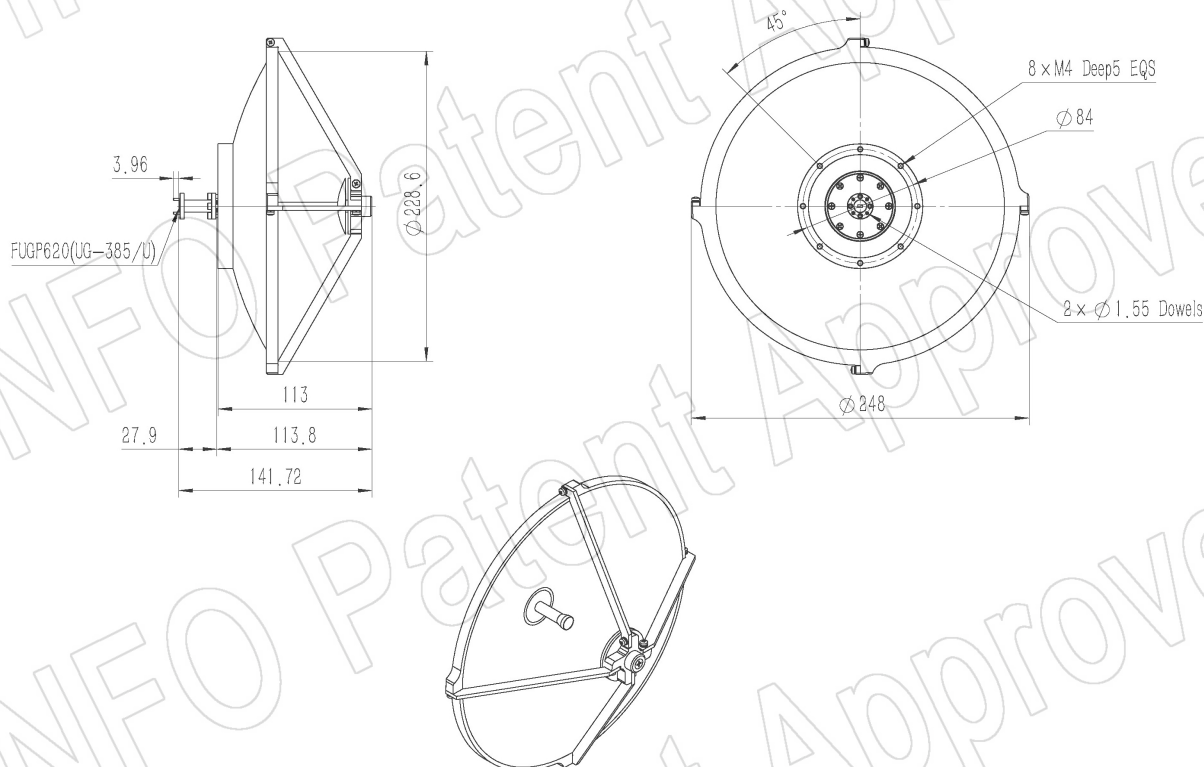
|                          |                                                |                                  |
|--------------------------|------------------------------------------------|----------------------------------|
| Frequency Range(GHz)     | A Type, WG output:                             | 50.0 – 75.0                      |
|                          | C Type, 1.85mm-F:                              | 50.0 – 65.0                      |
|                          | C Type, 1.0mm-F:                               | 50.0 – 75.0                      |
| Waveguide                | WR15                                           |                                  |
| Gain(dBi)                | 38 Typ.                                        |                                  |
| Polarization             | Linear                                         |                                  |
| 3dB Beamwidth(deg)       | E Plane:                                       | 1.3 Typ.                         |
|                          | H Plane:                                       | 1.3 Typ.                         |
| Sidelobe Level(dB)       | E Plane:                                       | 18 Typ.                          |
|                          | H Plane:                                       | 17 Typ.                          |
| Cross Pol. Isolation(dB) | 30 Typ.                                        |                                  |
| VSWR                     | A Type:                                        | 1.20:1 Typ.                      |
|                          | C Type:                                        | 1.40:1 Typ.                      |
| Output                   | A Type:                                        | FUGP620(UG-385/U)                |
|                          | C Type:                                        | 1.0mm-Female<br>or 1.85mm-Female |
| Material                 | Al                                             |                                  |
| Finish                   | Gold Plated and<br>Chemical Conversion Coating |                                  |
| Size(mm)                 | A Type:                                        | 248 x 248 x 141.72               |
|                          | C Type:                                        | 248 x 248 x 167.1                |
| Net Weight(Kg)           | A Type:                                        | 0.69 Around                      |
|                          | C Type:                                        | 0.72 Around                      |

PATENT ID (China)

ZL202120619535.2, ZL202130167432.2

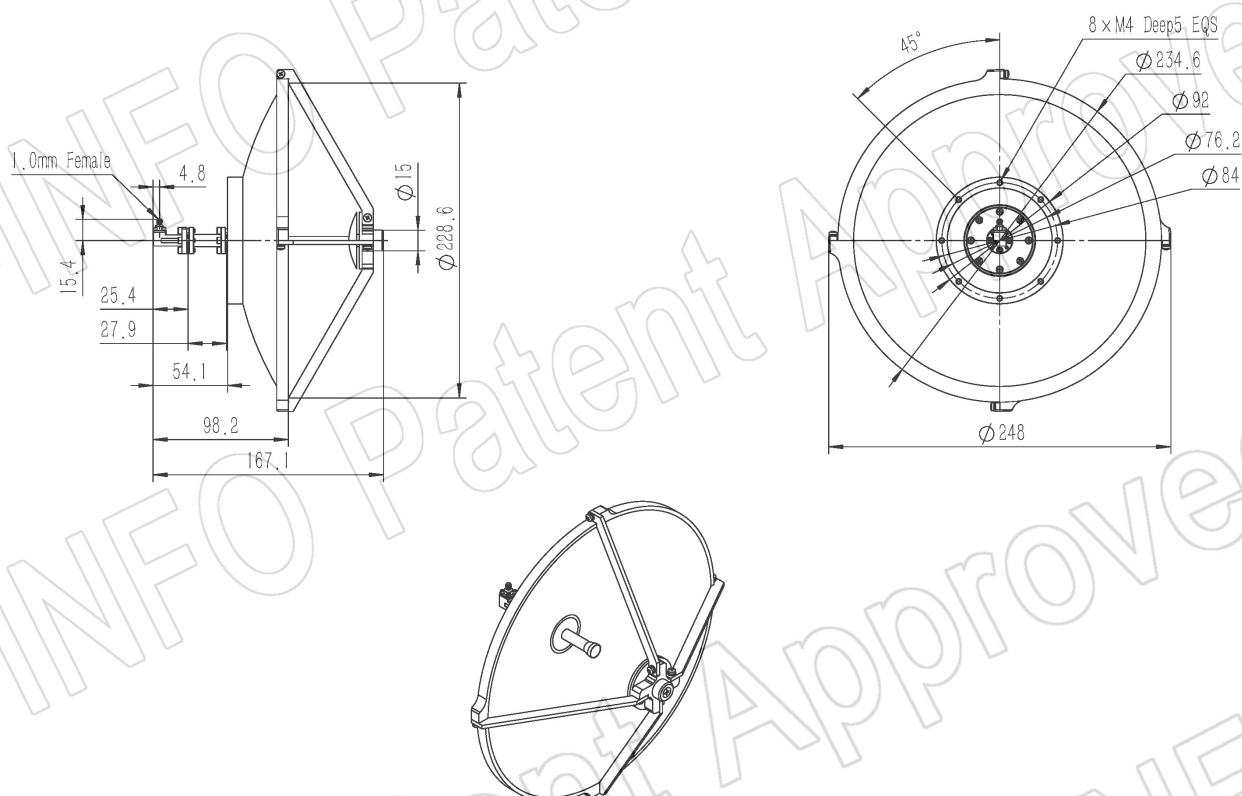
## Outline Drawing (Size: mm)

FUGP620 Output (P/N: KSC-15-20-A)

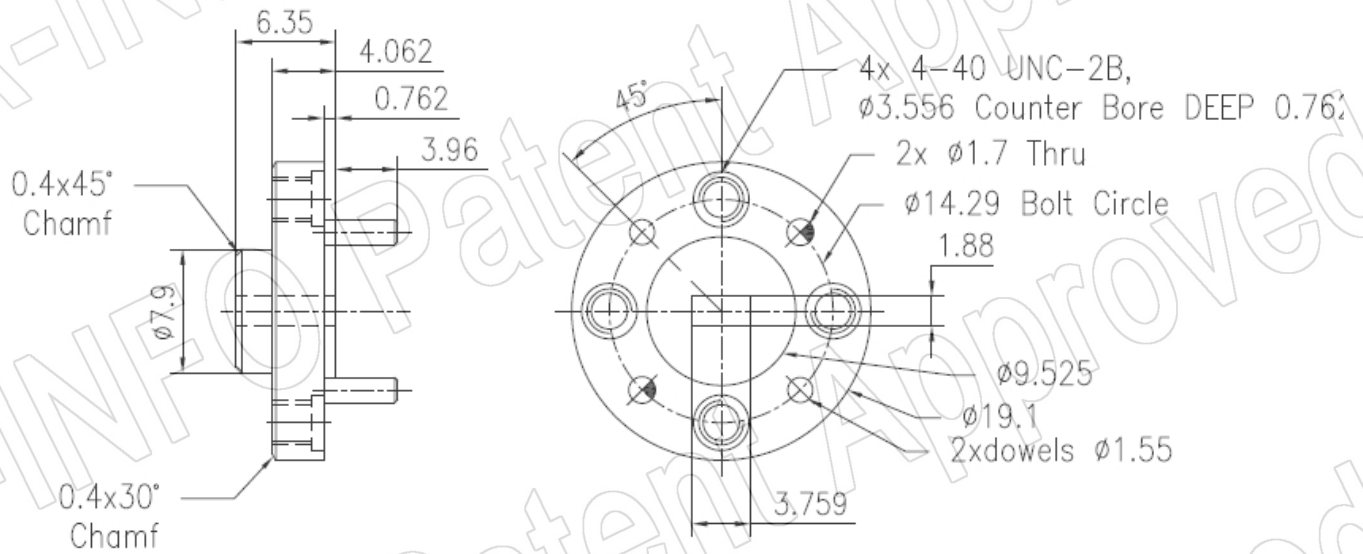


1.0mm-Female Output (P/N: KSC-15-20-C-1.0F)

For 1.85mm-Female output outline drawing, please contact A-INFO.



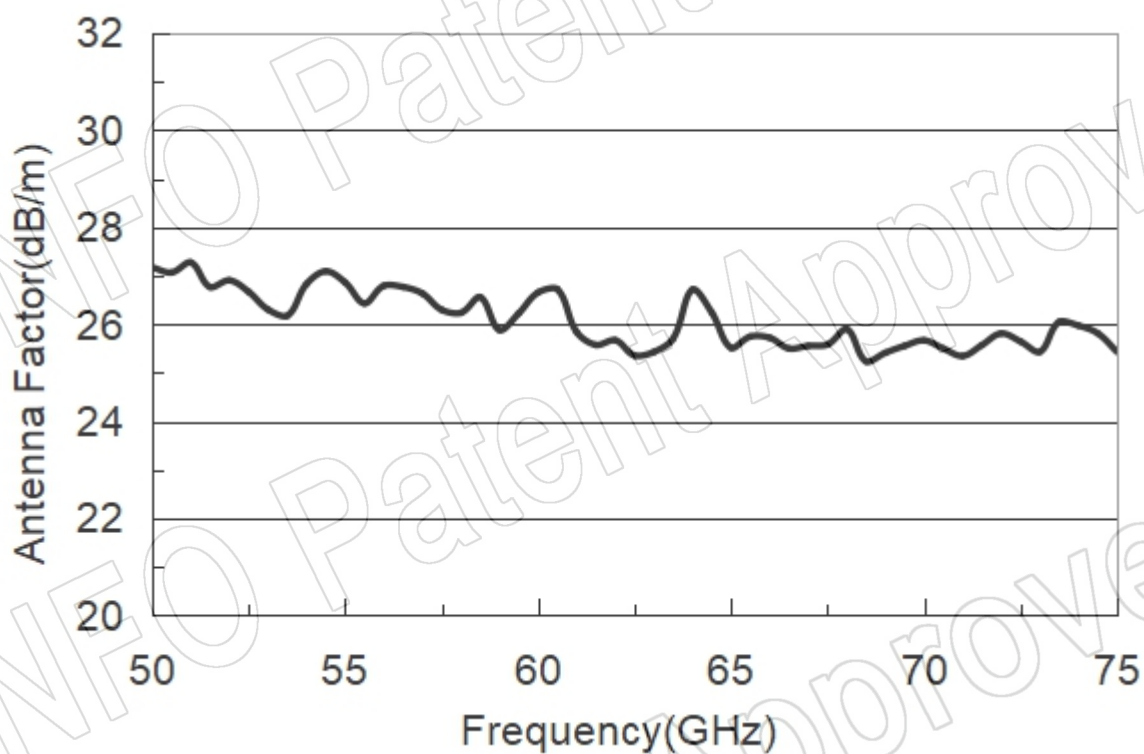
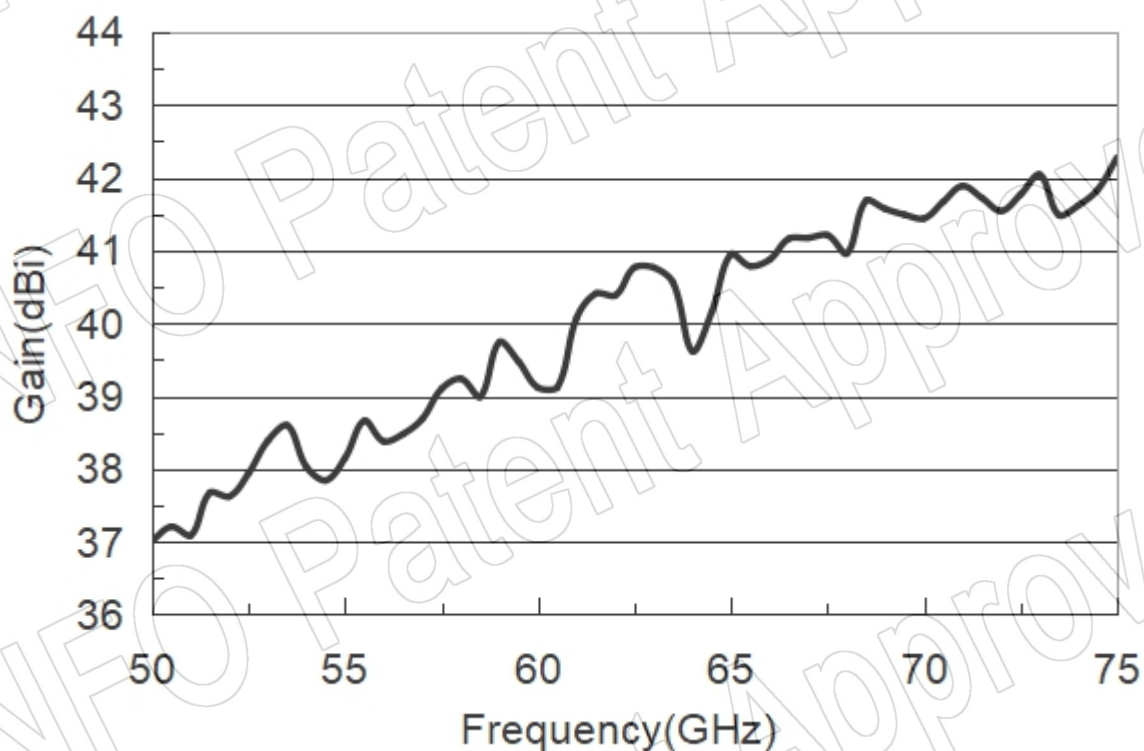
## Flange Drawing (Size: mm)



FUGP620  
(equivalent to UG-385/U)

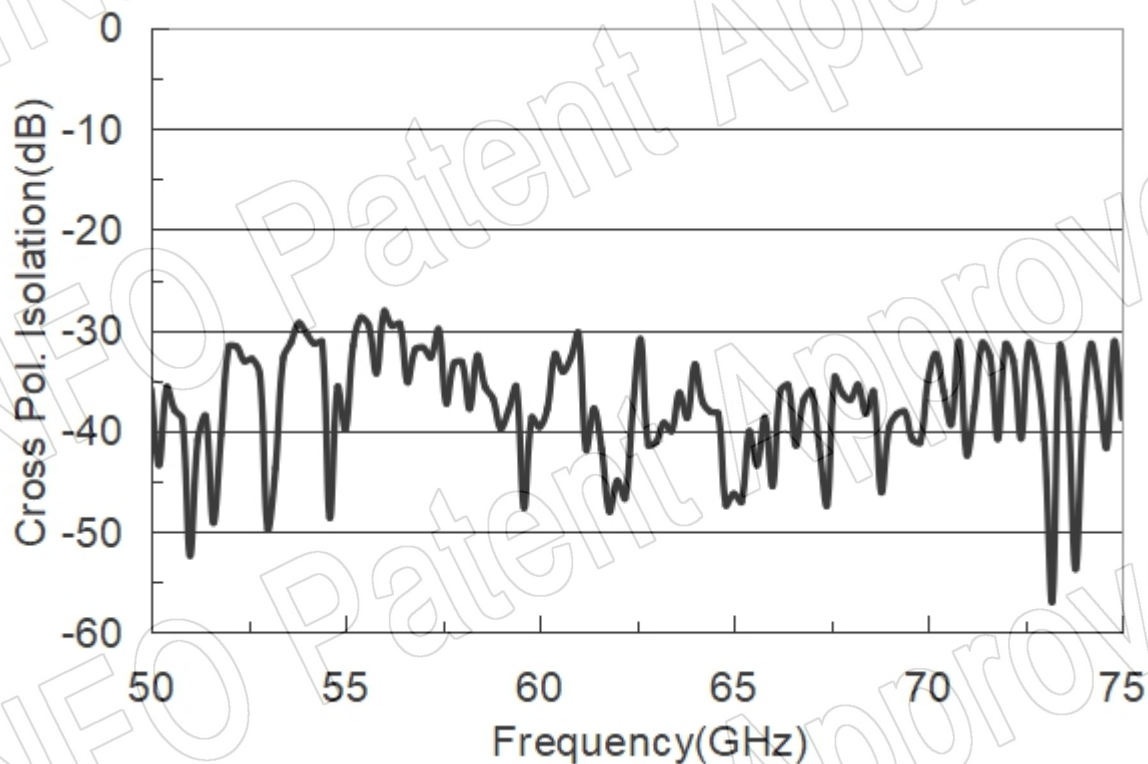
## Test Results

### 1. Gain & Antenna Factor

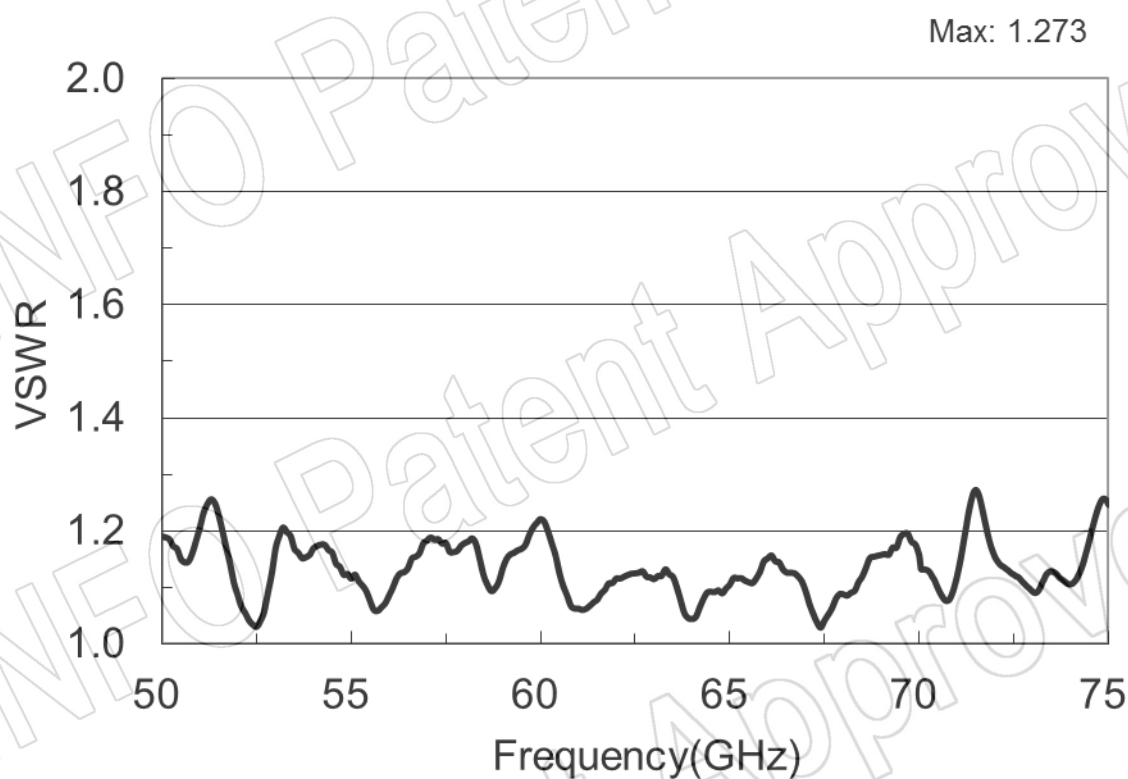




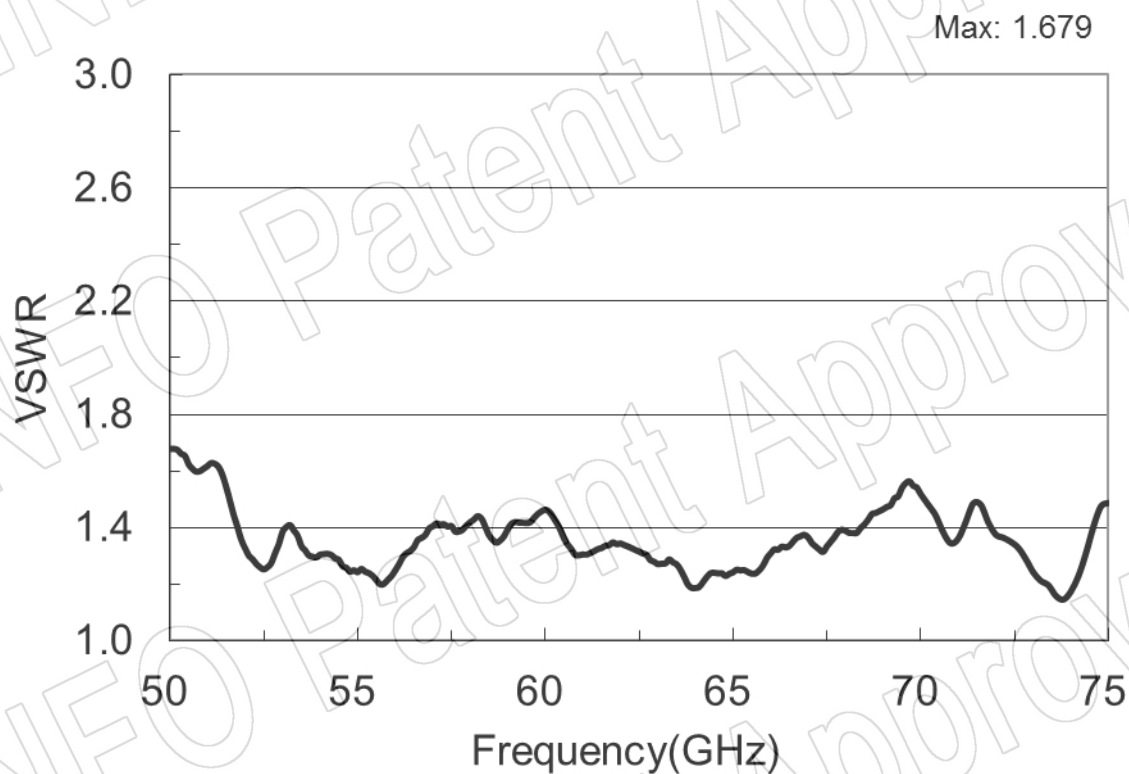
## 2. Cross Polarization Isolation



## 3. VSWR\_A Type



VSWR\_C Type



## 4. Pattern

