

# 0052

- Circularly polarized antenna for quadruple band
- Verification antenna for AUT in test & measurement

## Specification

| Electrical              |   |                   |
|-------------------------|---|-------------------|
| Frequency range [GHz]   | 24.0~26.5 / 26.5~29.5 / 37.5~40.5 / 40.5~43.5 |                   |
| Polarization            | Circular                                      |                   |
| Band width [GHz]        | 2.5 / 3.0 / 3.0 / 3.0                         |                   |
| Gain [dBic] (Typ.)      | 9.0 / 9.0 / 9.0 / 9.5                         |                   |
| HPBW [°] (Typ.)         | Vertical                                      | 42 / 42 / 39 / 39 |
|                         | Horizontal                                    | 50 / 50 / 50 / 25 |
| Axial ratio [dB] (Max.) | 3.0   |                   |
| VSWR (Max.)             | 2.0:1   |                   |
| Impedance [ $\Omega$ ]  | 50  |                   |

## Model

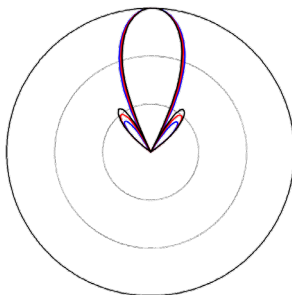


## Mechanical

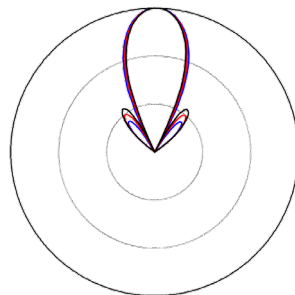
|                         |                |
|-------------------------|----------------|
| Dimension (WxDxH) [mm]  | 42 x 42 x 11   |
| Weight [g]              | 20             |
| Connector type & No.    | 2.4 mm (f) x 1 |
| Radome material & color | PC / White     |
| Temperature [°C]        | -40 ~ 70       |

## Pattern

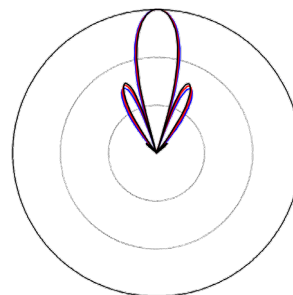
—f<sub>l</sub> —f<sub>c</sub> —f<sub>h</sub>



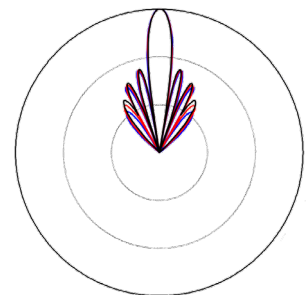
26GHz band



28GHz band



39GHz band



42GHz band