# SISO Panel Antennas 698 - 4000 MHz

## DESCRIPTION

- Wideband directional antenna covering 698 - 4000 MHz.
- Compact, lightweight and easy to install.
- Passive intermodulation < -153 dBc @ 2 x 20 W.
- Low return loss and high gain with stable performance.
- N-Female, 7/16-DIN-Female and Mini-DIN-Female compliant.



## ORDERING

| Model | Product No. |
|---|---|
| Antenna with N-Female Connector | 5003700 |
| Antenna with 4.1/9.5 Mini-DIN-Female Connector | 5003700-mDIN |
| Antenna with 7/16-DIN-Female Connector | 5003700-DIN |

## SPECIFICATIONS

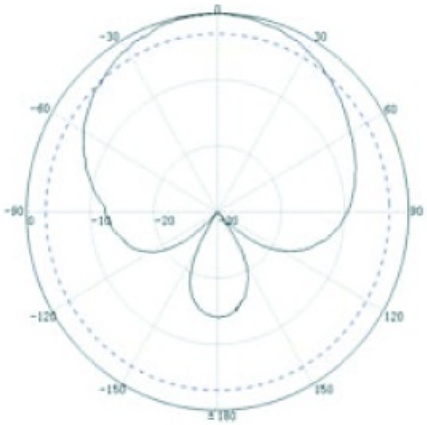
| Electrical | | | | |
|---|---|---|---|---|
| Model | 5003700 | | | |
| Frequency | 698 - 806 MHz | 806 - 960 MHz | 1710 - 2700 MHz | 3400 - 4000 MHz |
| Max. Input Power | 50 W | | | |
| Polarisation | Vertical | | | |
| 3 dB Beamwidth, E-Plane | 73 ° | 70 ° | 60 ° | 30 ° |
| 3 dB Beamwidth, H-Plane | 80 ° | 80 ° | 65 ° | 45 ° |
| Impedance | 50 Ω | | | |
| Gain | 2.8dBd / 5dBi | 3.8dBd / 6dBi | 4.8dBd / 7dBi | 4.8dBd / 7dBi |
| VSWR | < 2.0:1 | | | |
| Front-To-Back Ratio | > 8 dB | > 10 dB | > 15 dB | > 20 dB |
| Passive Intermodulation | < -153 dBc (2 x 43 dBm) | | | |
| In iBwave | Yes | | | |

| Mechanical | |
|---|---|
| Connection(s) | 1 Port, N-Female, |
| Radome Material / Colour | ABS White RAL9003 |
| Dimensions | 165 x 155 x +50 mm / 6.5 x 6.1 x 2.0" |
| Weight | 0.3 kg / 0.66 lb |
| Mounting | Wall mounting |

| Environmental | |
|---|---|
| Operating Temperature Range | -55°C to +60°C |

## ADDITIONAL DATA

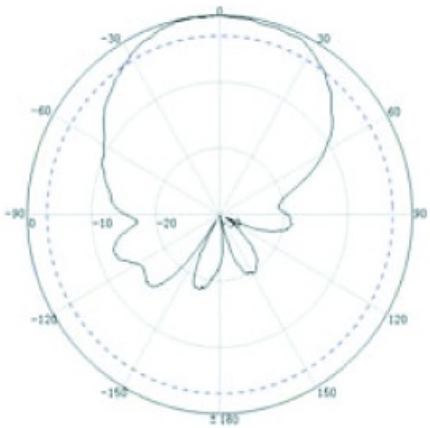
### RADIATION PATTERN



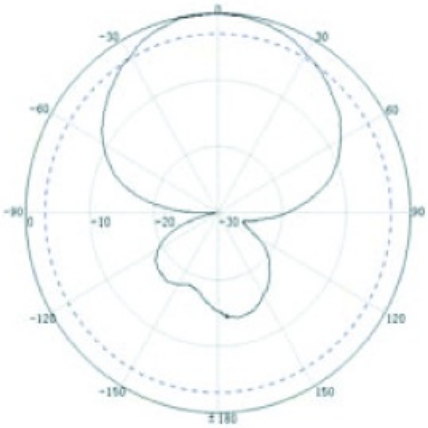
Horizontal | 900 MHz



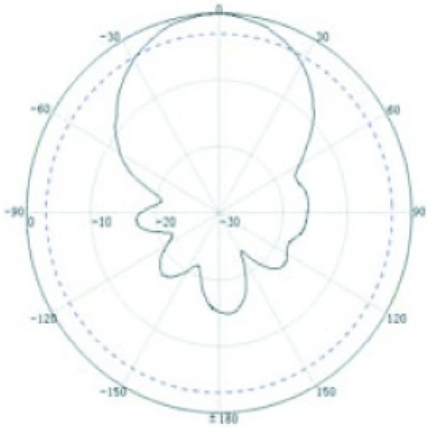
Horizontal | 1710 MHz



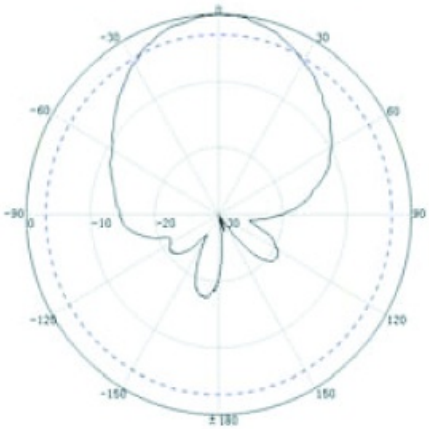
Horizontal | 2500 MHz



Vertical | 900 MHz



Vertical | 1710 MHz



Vertical | 2500 MHz