

P/Ns: GPSMOD1315, GPSMOD1333, GPSMOD2515, GPSMOD2533

Description: Active GPS Antenna Modules 13mm x 13mm and 25 mm x 25 mm sizes

Part# GPSMODxxxx Series

Features

- Small form factor
- Includes low noise amplifier(LNA) 16 and 33dB options
- Suitable for mounting inside device
- 3-5v operating voltage
- Low noise figure

Applications

- Use in GPS enabled devices
- Portable Handsets
- Automotive Navigation
- Tracking and Positioning
- GNSS



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Description: Active GPS Antenna Modules

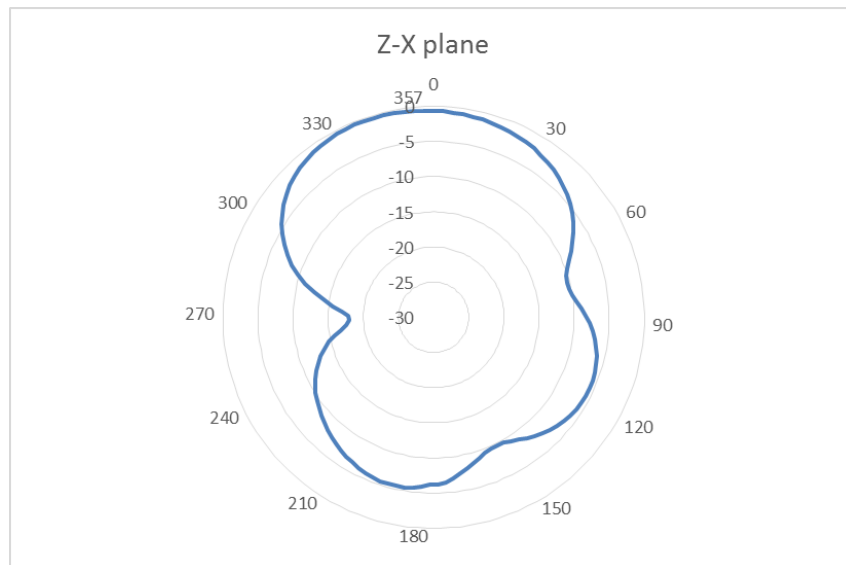
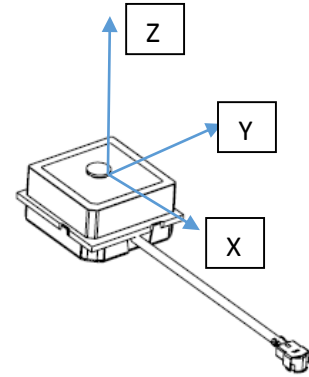
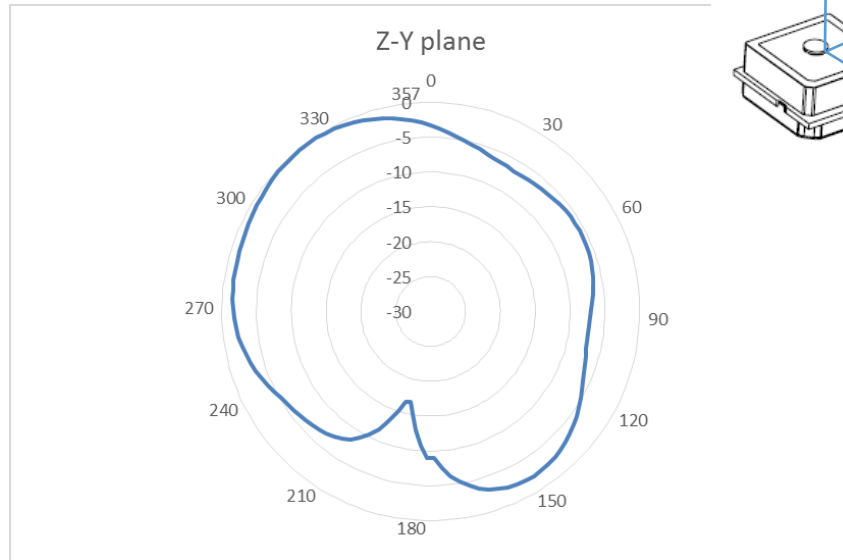
13mm x 13 mm and 25 mm x 25 mm sizes

Part# GPSMODxxxx Series

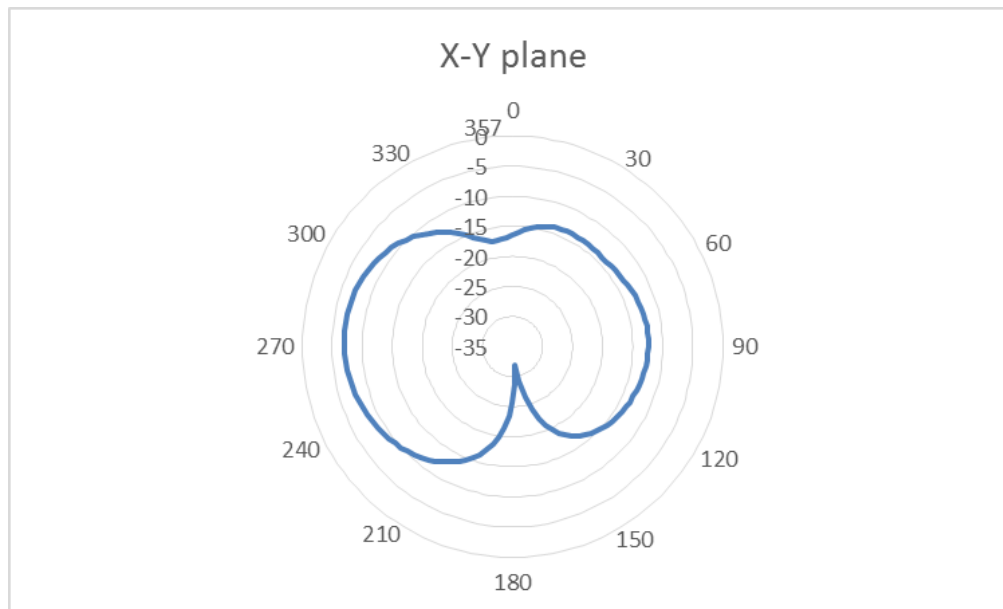
| | GPSMOD1315 | GPSMOD1333 | GPSMOD2515 | GPSMOD2533 |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| ELECTRICAL SPECIFICATIONS | | | | |
| FREQUENCY | 1575.42mhZ | 1575.42mhZ | 1575.42mhZ | 1575.42mhZ |
| NOMINAL IMPEDANCE (Ω) | 50 | 50 | 50 | 50 |
| VSWR | 1.5:1 | 1.5:1 | 1.5:1 | 1.5:1 |
| GAIN RADIATING ELEMENT | -1dBic +/- 1 dB | -1dBic +/- 1 dB | 3.4dBic +/- 1 dB | 3.4dBic +/- 1 dB |
| GAIN LNA | 16 dB +/- 1 dB | 33 dB +/- 2 dB | 16 dB +/- 1 dB | 33 dB +/- 2 dB |
| LNA NOISE FIGURE | < 2.4 dB | < 2.4 dB | < 2.6 dB | < 3.4 dB |
| POLARIZATION | RCHP | RCHP | RCHP | RCHP |
| OPERATING VOLTAGE | 3.3-5 Vdc +/- 0.5 V | 3.3-5 Vdc +/- 0.5 V | 3.3-5 Vdc +/- 0.5 V | 3.3-5 Vdc +/- 0.5 V |
| CURRENT COMSUMPTION | < 6A mA | < 10A mA | < 6A mA | < 10A mA |
| ENVIRONMENTAL SPECIFICATIONS | | | | |
| OPERATION TEMPERATURE | -40 to +85°C | -40 to +85°C | -40 to +85°C | -40 to +85°C |
| MECHANICAL SPECIFICATIONS | | | | |
| WEIGHT | 4.8g | 4.8g | 13.5g | 13.5g |
| DIMENSIONS | 13 mm x 13 mm | 13 mm x 13 mm | 25 mm x 25 mm | 25 mm x 25 mm |
| CABLE LENGTH | 32mm | 32mm | N/A | N/A |
| MOUNTING | DOUBLE SIDED ADHESIVE TAPE PROVIDED | DOUBLE SIDED ADHESIVE TAPE PROVIDED | DOUBLE SIDED ADHESIVE TAPE PROVIDED | DOUBLE SIDED ADHESIVE TAPE PROVIDED |
| CABLE TYPE | 0.81mmCOAXIAL | 0.81mmCOAXIAL | N/A | N/A |
| CONNECTOR | U.FL & IPEX COMPLIANT | U.FL & IPEX COMPLIANT | Solder pads for coaxial cable | Solder pads for coaxial cable |

Description: Active GPS Antenna Modules
13mm x 13 mm and 25 mm x 25 mm sizes
Part# GPSMODxxxx Series

PATTERN DATA – GPSMOD1315



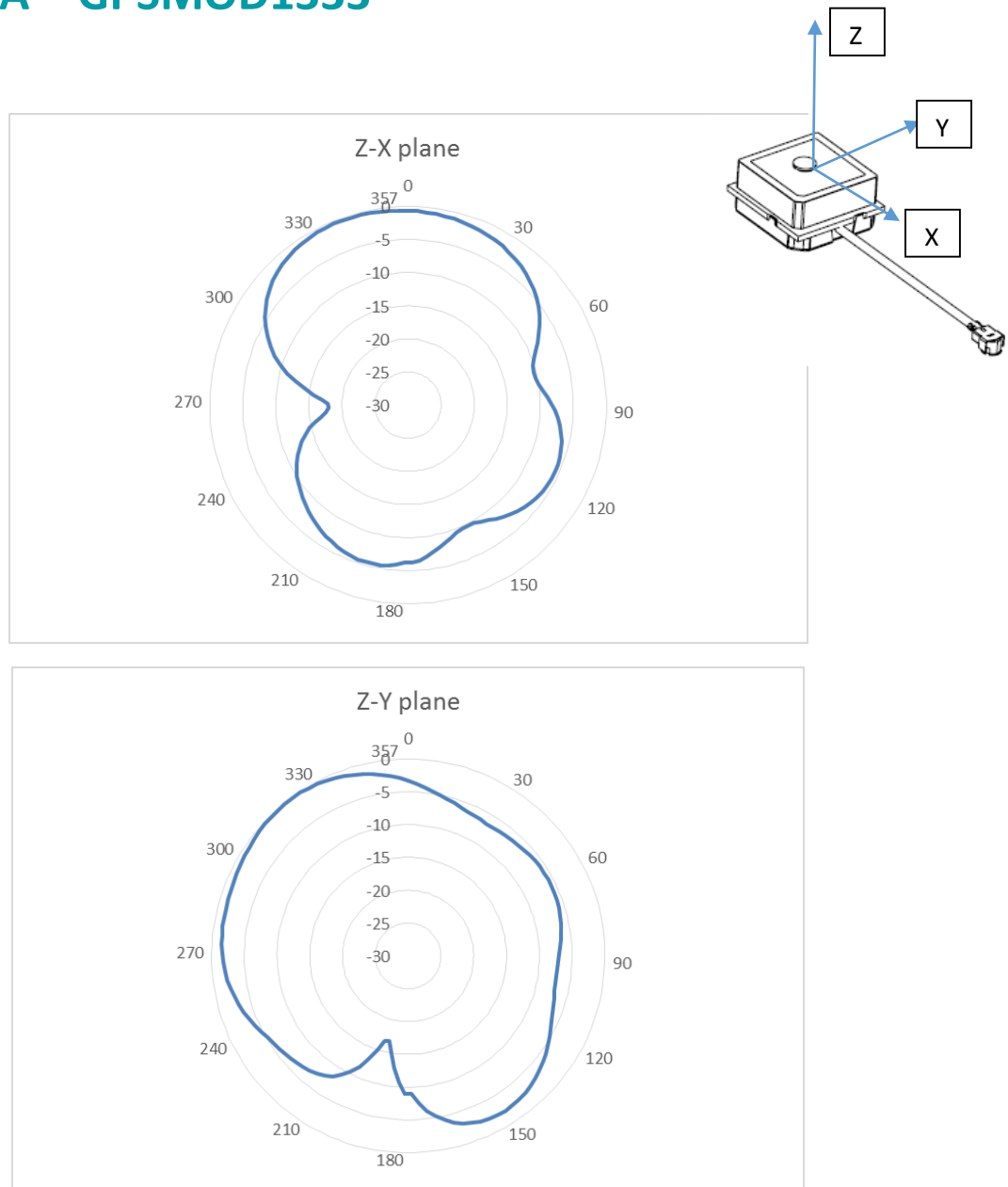
Description: Active GPS Antenna Modules
13mm x 13 mm and 25 mm x 25 mm sizes
Part# GPSMODxxxx Series



| Out of Band Rejection | |
|-----------------------|------|
| 698MHz | 75dB |
| 960MHz | 80dB |
| 1710MHz | 70dB |
| 2170MHz | 60dB |
| 2400MHz | 60dB |
| 2700MHz | 55dB |

Description: Active GPS Antenna Modules
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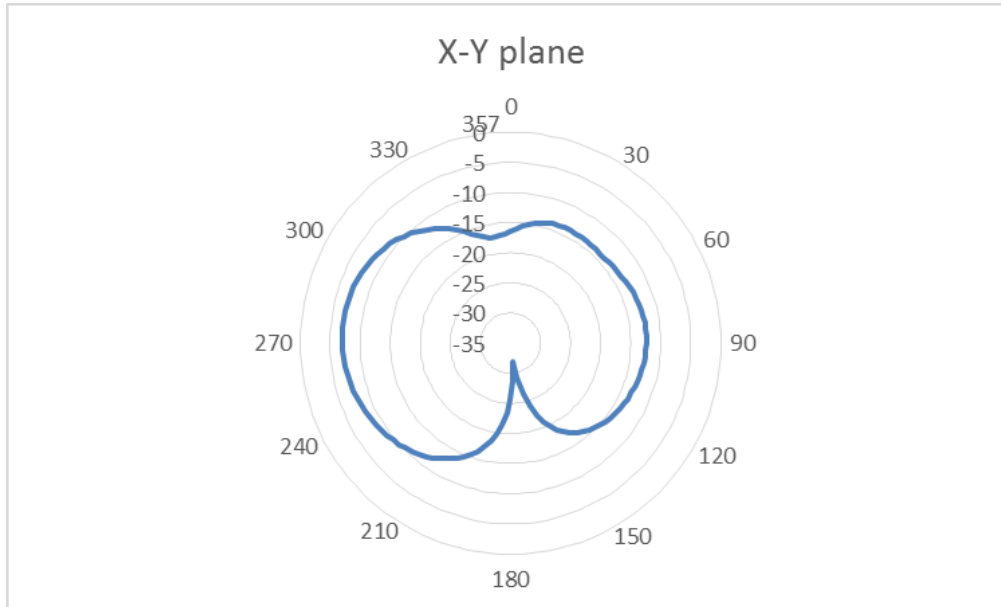
PATTERN DATA – GPSMOD1333



Description: Active GPS Antenna Modules

13mm x 13 mm and 25 mm x 25 mm sizes

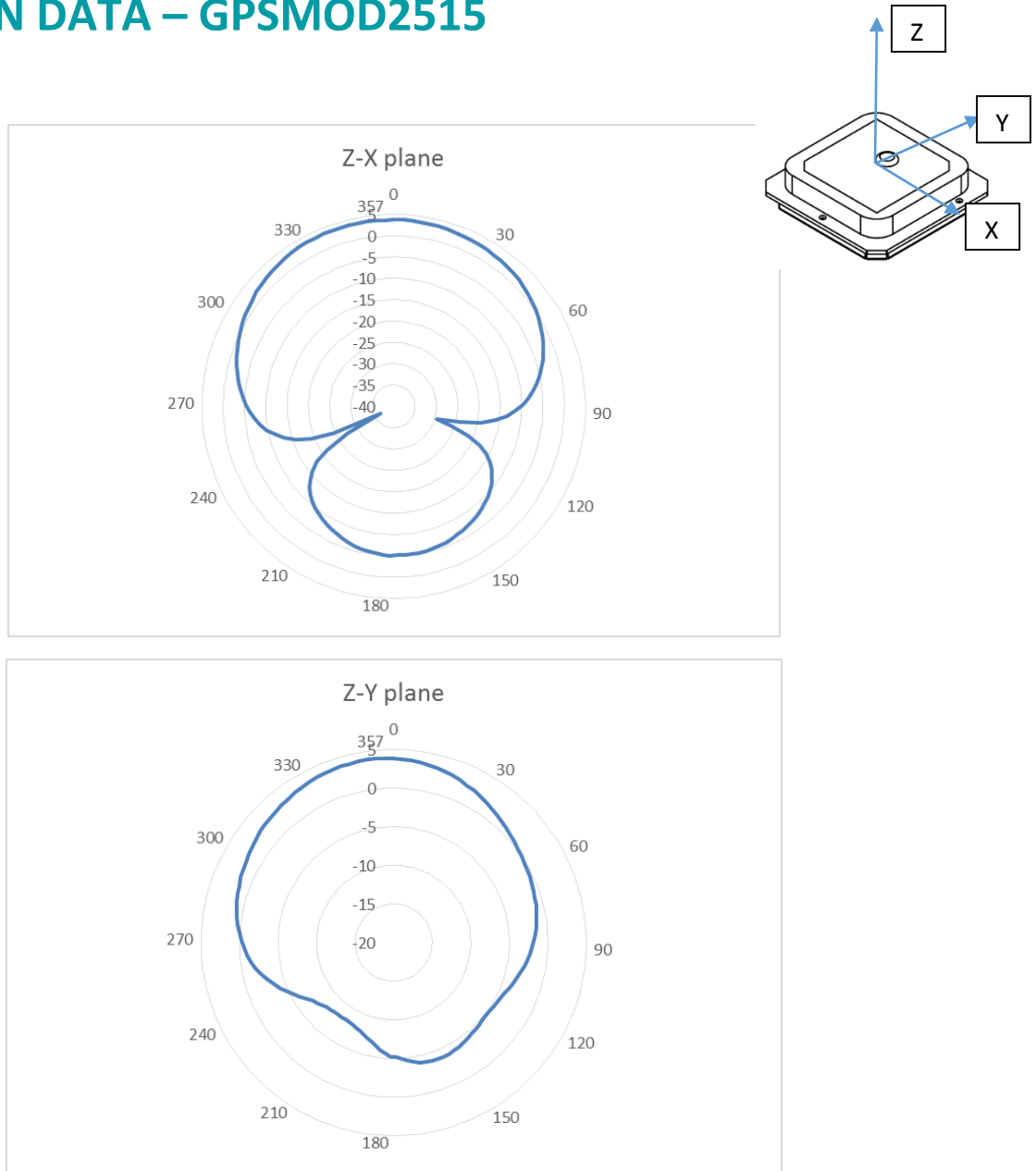
Part# GPSMODxxxx Series



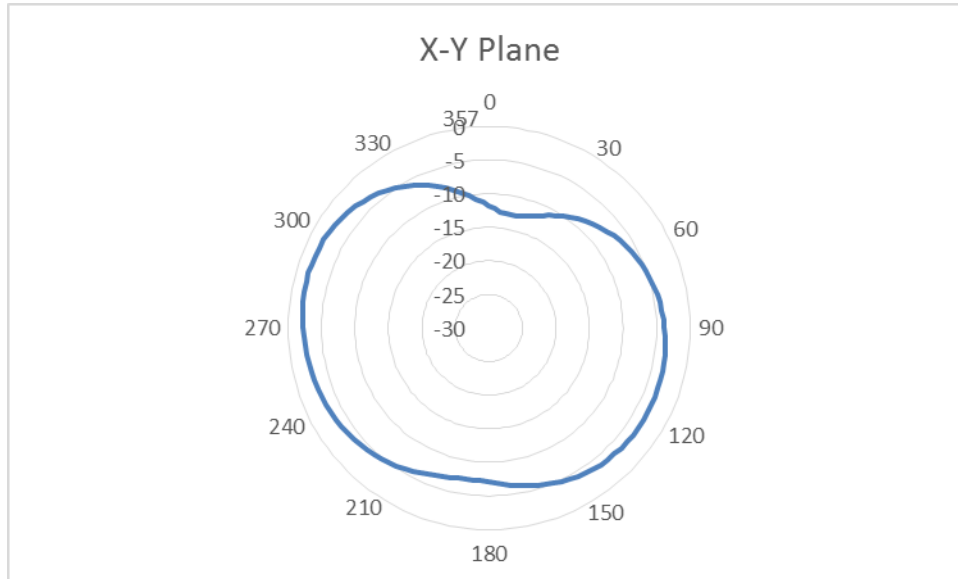
| Out of Band Rejection | |
|-----------------------|------|
| 698MHz | 90dB |
| 960MHz | 80dB |
| 1710MHz | 70dB |
| 2170MHz | 65dB |
| 2400MHz | 65dB |
| 2700MHz | 75dB |

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PATTERN DATA – GPSMOD2515



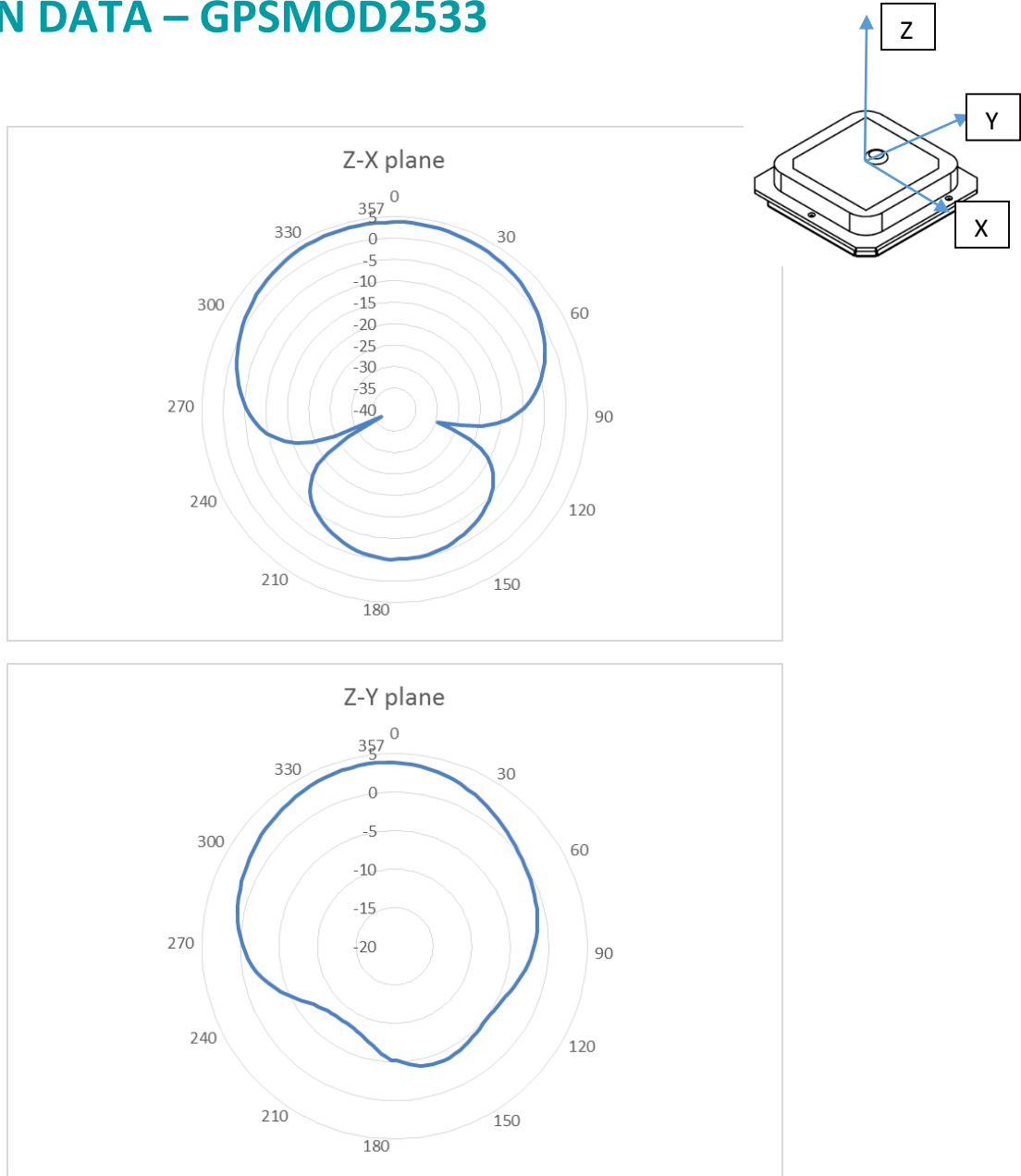
Description: Active GPS Antenna Modules
13mm x 13 mm and 25 mm x 25 mm sizes
Part# GPSMODxxxx Series



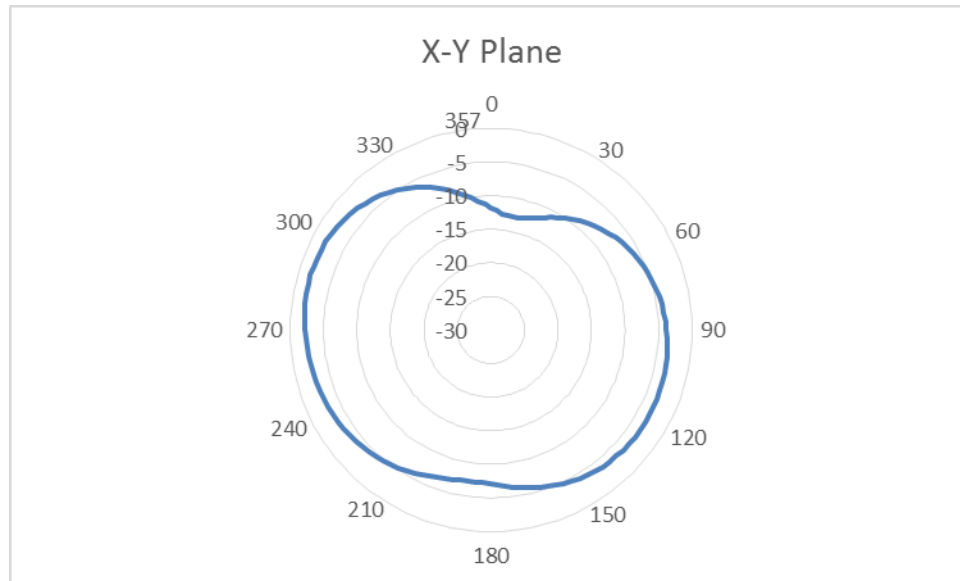
| Out of Band Rejection | |
|-----------------------|------|
| 698MHz | 85dB |
| 960MHz | 75dB |
| 1710MHz | 70dB |
| 2170MHz | 65dB |
| 2400MHz | 65dB |
| 2700MHz | 65dB |

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| Out of Band Rejection | |
|-----------------------|------|
| 698MHz | 90dB |
| 960MHz | 93dB |
| 1710MHz | 85dB |
| 2170MHz | 75dB |
| 2400MHz | 75dB |
| 2700MHz | 84dB |

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