



# GrAnt-3L OEM

## GNSS Antenna

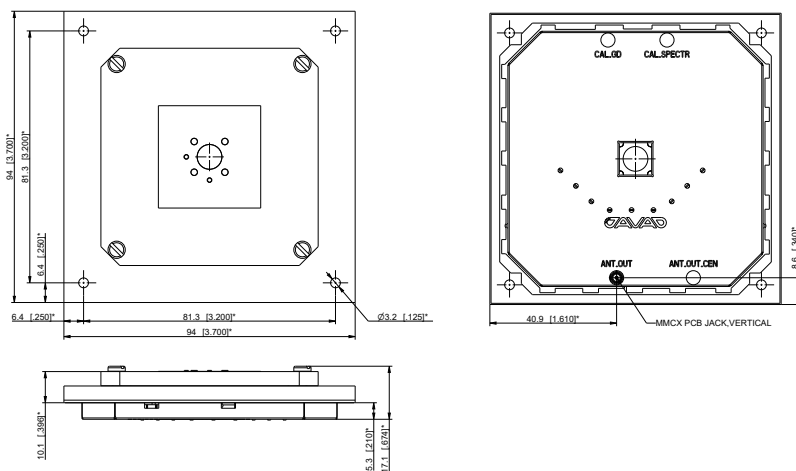


The JAVAD GrAnt-3L OEM antenna is a versatile, high-performance GNSS antenna designed for a wide range of applications. It can track signals from GPS, GLONASS, Galileo, BeiDou, QZSS, WAAS, EGNOS, MSAS, GAGAN and L-Band.

# GrAnt-3L OEM Specifications



|                                     |                                                                         |                                                                                                                                                                   |
|-------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GNSS</b>                         | Constellations                                                          | GPS L1/L2/L2C/L5<br>GLONASS L1/L2/L3<br>GALILEO E1/E2/E5ab/E6<br>BEIDOU B1/B2/B3<br>QZSS L1/L2/L2C/L5/LEX<br>WAAS L1/L5, EGNOS, MSAS, GAGAN<br>IRNSS L5<br>L-Band |
|                                     | Frequency                                                               | 1525 - 1614 MHz<br>1164 - 1300 MHz                                                                                                                                |
| <b>Electrical</b>                   | Antenna Gain                                                            | 1525 - 1540 MHz, 4.0 dB typical<br>1551 - 1614 MHz, 5.0 dB typical<br>1164 - 1300 MHz, 4.0 dB typical                                                             |
|                                     | Axial Ratio Output<br>Impedance<br>VSWR max<br>LNA gain<br>Noise Figure | 3.0 dB max.<br>50 Ohm<br>2.0:1<br>32±2 dB<br>1.7 dB typical                                                                                                       |
| <b>Power</b>                        | DC Voltage                                                              | 3.0~15.0 VDC                                                                                                                                                      |
|                                     | Current, mA (typ.) @ 5 V<br>Power consumption (max)                     | 45V<br>0.68 W                                                                                                                                                     |
| <b>Physical &amp; Environmental</b> | Operating Temperature<br>Storage Temperature                            | -45 ~ +85 °C<br>-50 ~ +85 °C                                                                                                                                      |
|                                     | Antenna type<br>Dimensions                                              | Microstrip<br>94 x 94 x 17.2 mm<br>194 g                                                                                                                          |



GNSS performance is dependent on signal quality, satellite geometry, ionospheric and tropospheric conditions, baseline length, multipath effects and RF interference. Specifications may be changed without notice.  
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