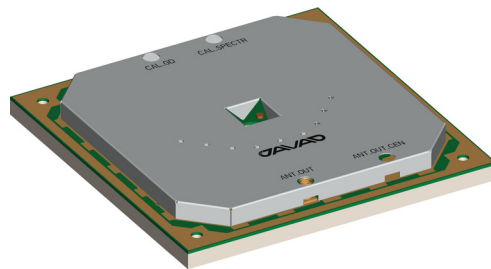




GNSS ANTENNA OEM

GrAnt



GrAnt OEM is a versatile high performance GNSS OEM antenna.
GrAnt can track GPS, GLONASS, Galileo, BeiDou, WAAS, EGNOS, MSAS, GAGAN and QZSS signals.

DATA SHEET
VERSION 1.0 MAY 7, 2021

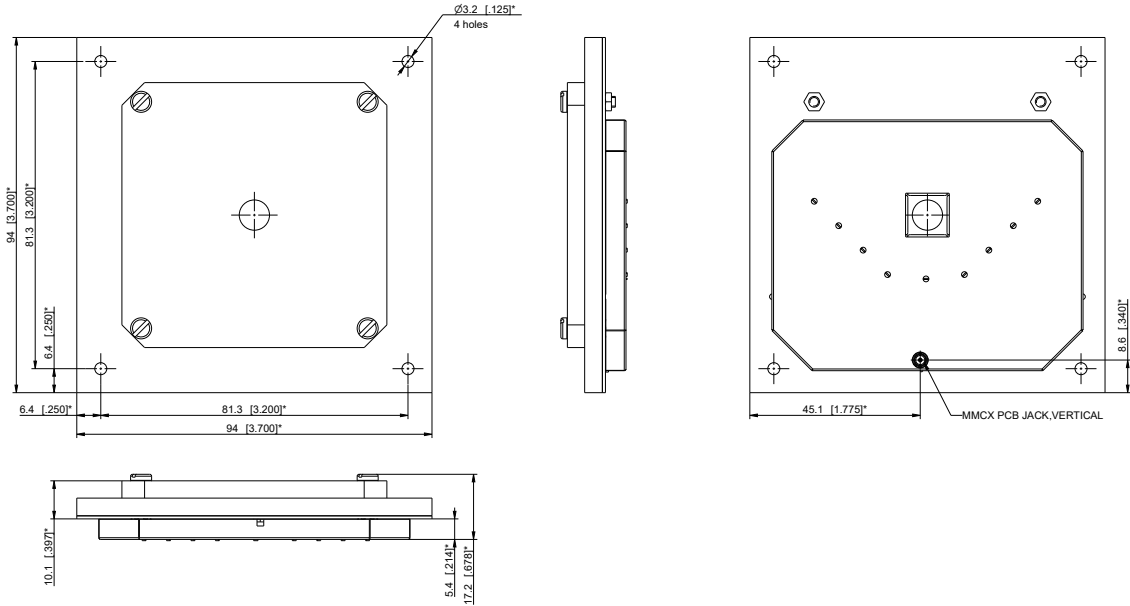
GrAnt OEM Antenna

Main Characteristics

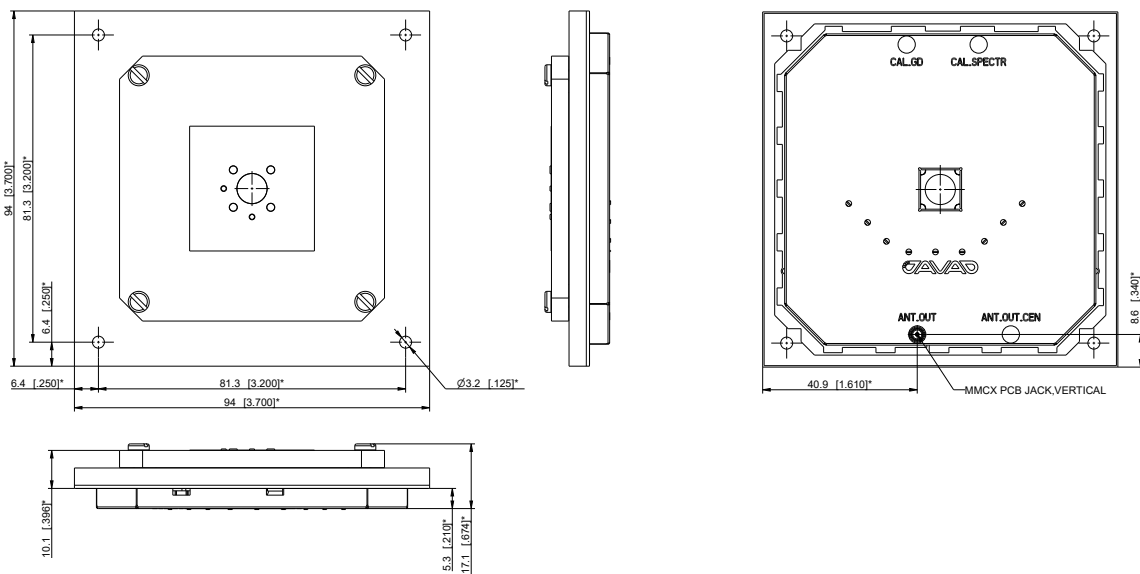
	G3T	G5T
SIGNAL		
Capability	GPS L1/L2/L2C/L5, GLONASS L1/L2/L3, GALILEO E1/E2/E5ab, BEIDOU B1/B2, WAAS L1/L5, EGNOS, MSAS, GAGAN, QZSS L1/L2/L2C/L5	GPS L1/L2/L2C/L5, GLONASS L1/L2/L3, GALILEO E1/E2/E5ab/E6, BEIDOU B1/B2/B3, WAAS L1/L5, EGNOS, MSAS, GAGAN, QZSS L1/L2/L2C/L5/LEX
Frequency, MHz	1551~1614 1164~1254	1551~1614 1164~1300
ELECTRICAL		
Antenna Gain (140mm ground plane), dB (typ.)	5.0 (1551~1614 MHz) 4.0 (1164~1254 MHz)	5.0 (1551~1614 MHz) 4.0 (1164~1300 MHz)
Axial Ratio, dB (max.)	3.0	
Output Impedance, Ohm	50	
VSWR	2.0 : 1	
LNA gain, dB	32±2	
Noise Figure, dB (typ.)	1.7	
DC voltage, VDC	3.0~15.0	
Current, mA (typ.) @ 5 V	45	
Power consumption, W (max)	0.68	
ENVIRONMENTAL		
Operating Temperature, °C	-45 ~ +85	
Storage Temperature, °C	-50 ~ +85	
MECHANICAL		
Antenna type	Microstrip	
Weight, g	192	194
Dimensions, mm	94 x 94 x 17.2	

GrAnt OEM Antenna

GrAnt G3T Dimensions

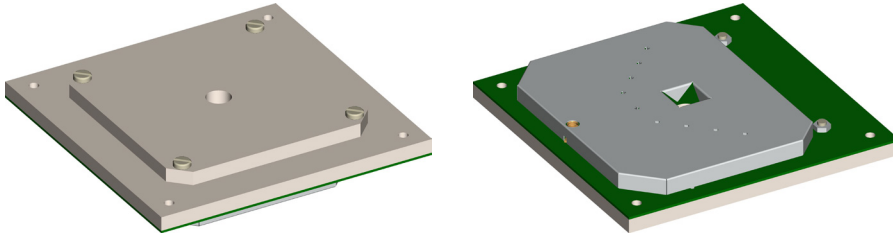


GrAnt G5T Dimensions

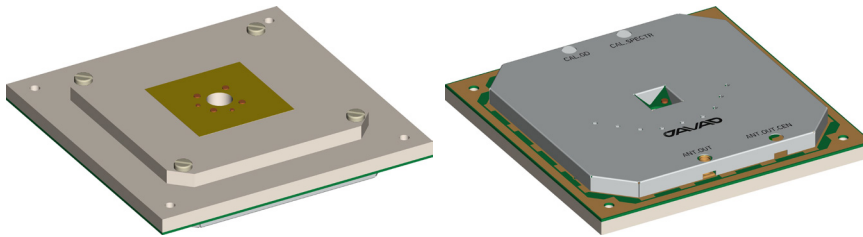


GrAnt OEM Antenna

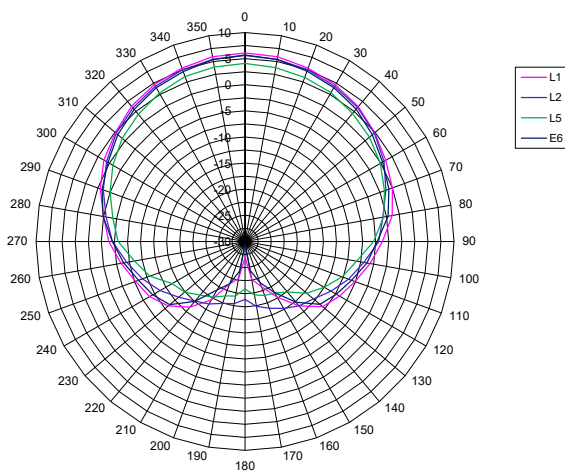
GrAnt G3T OEM Antenna



GrAnt G5T OEM Antenna



Radiation Pattern (140 mm ground plane)



900 Rock Avenue
San Jose
CA 95131, USA

+1(408)770-1770
sales@javad.com
www.javad.com