

## INSMAG

### GENERAL DESCRIPTION

Magnetron INSMAG is a multi-purpose, high performance positioning module developed for drone applications.

#### Electrical

##### GPS Receiver

L1 Band GNSS  
(GPS/GLONASS/Galileo)

##### Filter

L1 LNA + SAW Filter

##### Sensors

Temperature/Humidity/  
Pressure/3-axis Gyro/  
Compass

##### Interfaces

1 x UART  
1 x USB  
2 x CAN BUS

#### Mechanical

##### Dimension (mm)

55 x 55 x 20

##### Weight (g)

62

#### Operating Conditions

##### Temperature

-40°C to +85°C

##### Humidity

%100 R.H.

#### Storage Conditions

##### Temperature

-40°C to +85°C

##### Humidity

%95 R.H.

##### Altitude

50000 ft

#### Environmental Test Standards

##### Mechanical

MIL-STD-810G

##### EMI/EMC

MIL-STD-461F

