

TELEMETRY RECEIVER

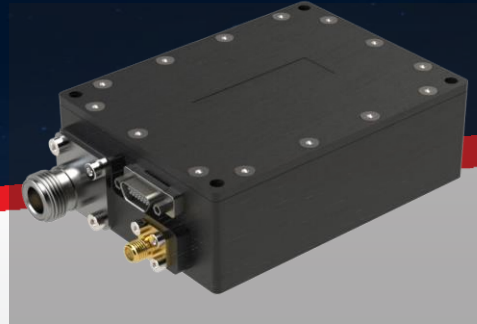
GENERAL DESCRIPTION

Magnetron Telemetry Receiver is especially developed for UAV, missile and rocket flight tests. Telemetry receiver has been developed in accordance with IRIG 106 standards using Software Defined Radio based architecture. System additionally has spectrum analyzer, waterfall, eye diagram and BER indicator.

KEY SPECIFICATIONS

- 1 GHz to 6 GHz Frequency Range
- Software Defined Radio Based Structure
- Up to 20 Mbps Data Rate
- Compatible with IRIG 106

TELEMETRY RECEIVER



TECHNICAL DATA

Electrical

Frequency Range	1 GHz to 6 GHz
Sensitivity	-102 dBm @ 500 kbps -89 dBm @ 5 Mbps
Demodulation Mode	FSK, GMSK, PCM/FM, SOQPSK
Data Rate	Up to 20 Mbps
Interfaces	UDP/TCPRS-232/422/485
RF Connector	SMA N-type
Connector	15 Pin Micro-D
Operating Voltage	18-32 VDC

Environmental Test Standards

Mechanical	MIL-STD-810G
EMI/EMC	MIL-STD-461F

Mechanical

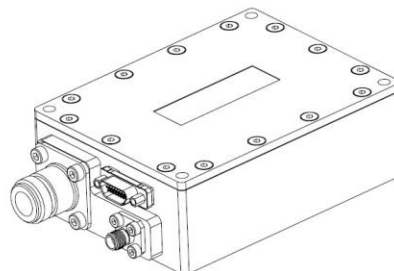
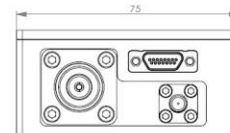
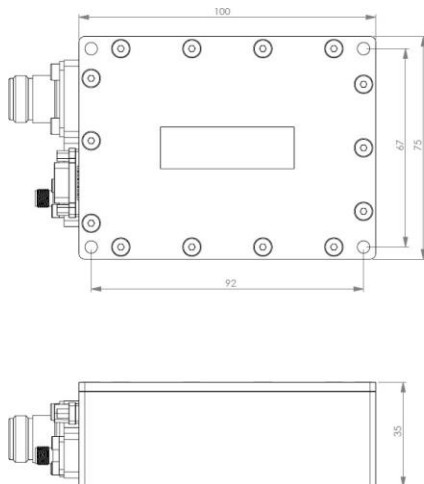
Material	6061 Aluminum Alloy
Surface Finish	Anodized
Dimension (mm)	100x75x35
Weight (g)	240

Operating Conditions

Temperature	-40°C to +85°C
Humidity	%95 R.H.
Altitude	50000 ft

Storage Conditions

Temperature	-40°C to +85°C
Humidity	%95 R.H.
Altitude	50000 ft



All units in mm