

TELEMETRY TRANSMITTER

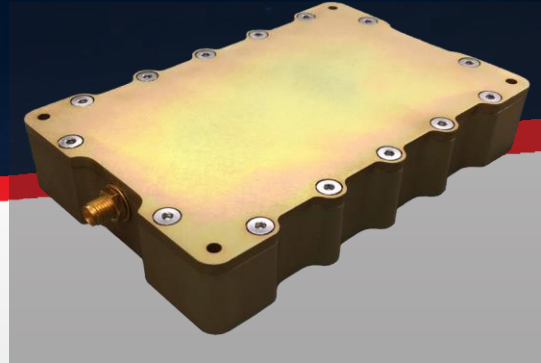
GENERAL DESCRIPTION

Magnetron Telemetry Transmitter is especially developed for UAV, missile and rocket flight tests. Telemetry transmitter has been developed in accordance with IRIG 106 standards using Software Defined Radio based architecture. System additionally has data encryption, FEC and data randomizer optionally.

KEY SPECIFICATIONS

- FSK,GMSK,PCM/FM,SOQPSK
- Optional Data Acquisition and PCM Encoding
- IRIG-106 Compliant
- Up to 20 Mbps Data Rate
- 1/5/10/25 Watt RF Output Power Options

TELEMETRY TRANSMITTER



TECHNICAL DATA

Electrical

Frequency Range	1 GHz to 6 GHz
RF Output Power	1/5/10/25 Watt
Modulation	FSK, GMSK, PCM/FM, SOQPSK
Data Rate	Up to 20 Mbps
Interfaces	UDP/TCPRS-232/422/485
RF Connector	SMA
Connector	15 Pin Micro-D
Operating Voltage	18-32 VDC

Environmental Test Standards

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

Mechanical

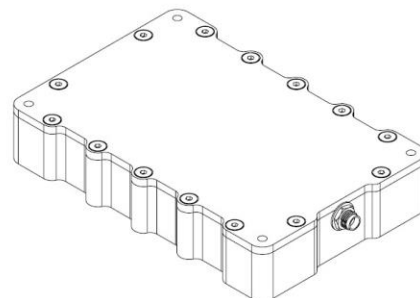
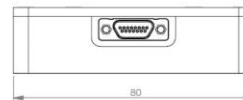
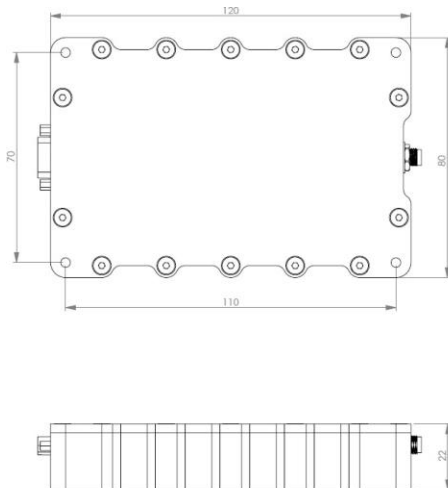
Material	6061 Aluminum Alloy
Surface Finish	Alodine
Dimension (mm)	120x80x22
Weight (g)	250

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