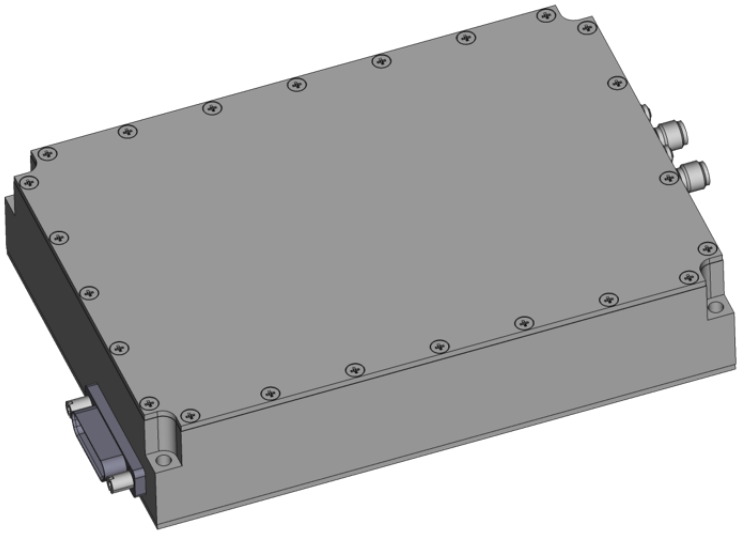
FEATURES:

- High Output Power
- Low Harmonic
- Coupled Output
- Low Spurious
- Pulse Modulation
- Internal High Stability TCXO
- Humidity Protected Mechanical Package



ELECTRICAL SPECIFICATIONS:

Parameter	Min.	Typ.	Max.	Units
RF Frequency Range	20		18000	MHz
Frequency Resolution	1			Hz
Frequency Accuracy			±1.5	ppm
Frequency Stability vs Temp			±0.28	ppm
Tuning Speed		200		us
Harmonic Level @ 20 dBm Output (500-18000 MHz) Harmonic Level @ 20 dBm Output (20-500 MHz)		-60 -30		dBc
Spurious Level		-60		dBc
Pulse Width	0.1		100000	us
Pulse Period	1		100000	us
Rise/ Fall Time		10		ns
Pulse Width Resolution	50			ns
Pulse Width Accuracy		+/-20		ns
Pulse Period Accuracy (1us<T<200us)		+/-20		ns
Pulse Period Accuracy (T>200 us)		+/-100		ppm
Pulse ON/OFF Isolation		60		dBc
Maximum Output Power	18	20		dBm
Output Power Accuracy		±1.5		dB
Output Power Range	-40		20	dBm
Output Power Resolution		0.5		dB
Coupled Output Coupling (500-18000 MHz)		20		dB
Operating DC Voltage		+12	+12.5	Volts
Operating DC Current			1.5	A
Communication Interface	RS485 (Ethernet optional)			

*Electrical specifications are given at 25 °C.

ABSOLUTE MAXIMUM RATING:

Parameter	Min.	Typ.	Max.	Units
DC Voltage			+12.5	Volts
Operating Case Temperature	-40		+70	°C
Storage Temperature	-40		+85	°C

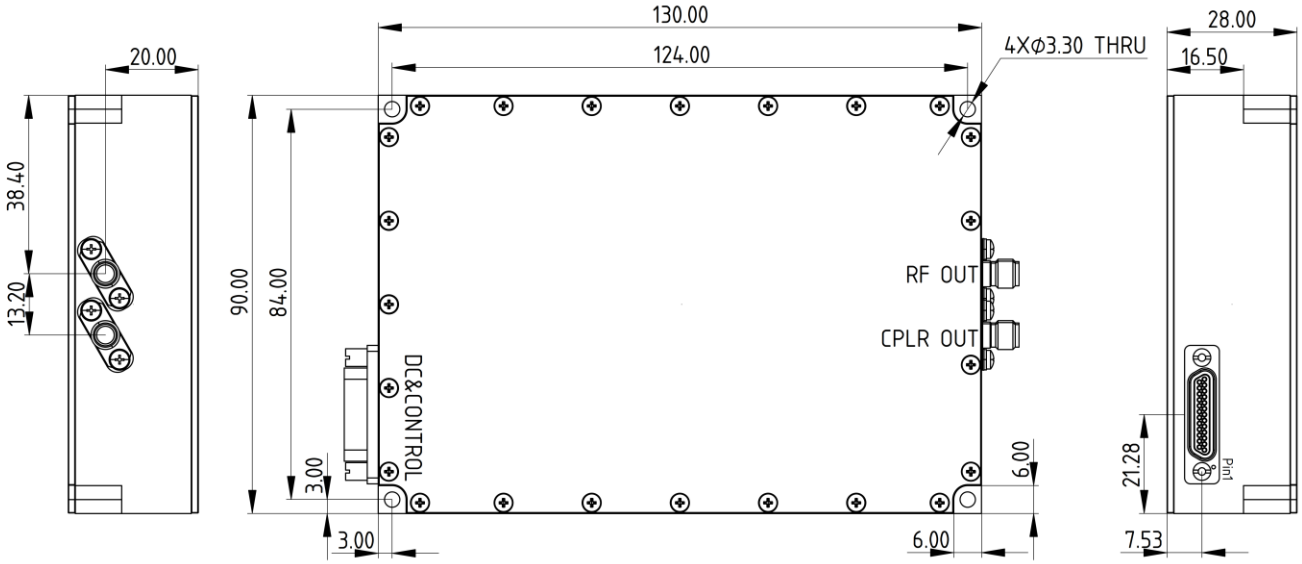
MECHANICAL SPECIFICATIONS:

Parameter	Value	Units
Dimensions (L x W x H)	130 x 90 x 28	mm
Weight	500	gr
RF Connectors (RF OUT, CPLR OUT)	SMA, Female	
DC & Control Connector	Micro-D 25pin Female	
Cooling	External Heatsink Required	
Mechanical Housing	Nickel Plated Aluminum	
Humidity	MIL-STD-202H Method 103 Condition B	

MECHANICAL OUTLINE:

- All dimensions are in mm

- Tolerances: +/- 0.2 mm



DC&Control Conn Pin #	Function	Note
1	+12V	Supply Voltage
2	+12V	Supply Voltage
3	+12V	Supply Voltage
5	Internal Use	Do Not Connect
7	RS485 (-)	RS485 Data (-)
9	Internal Use	Do Not Connect
11	ETH RX-	Ethernet Interface (Optional)
13	ETH TX-	Ethernet Interface (Optional)
14	+12V RTN / GND	Supply Voltage Return
15	+12V RTN / GND	Supply Voltage Return
16	+12V RTN / GND	Supply Voltage Return
18	Internal Use	Do Not Connect
20	RS485 (+)	RS485 Data (+)
23	ETH RX+	Ethernet Interface (Optional)
25	ETH TX+	Ethernet Interface (Optional)
4, 6, 8, 10, 12, 17, 19, 21, 22, 24	N/C	Not Connected

REVISION HISTORY:

Rev. No.	Date	Description
P1	28-Apr-2026	Preliminary Release