

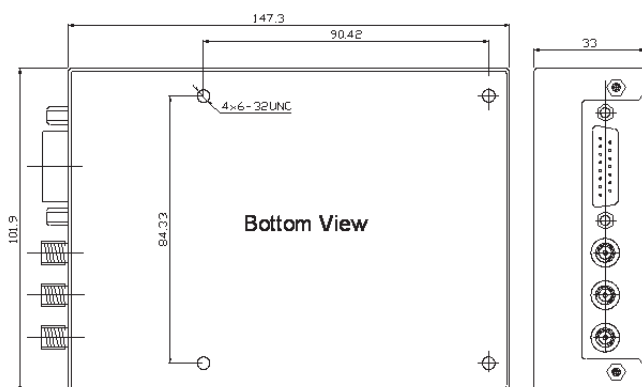
Low Noise Rubidium Oscillator



Feature:

- ◆ Very Low Phase Noise
- ◆ High Short-term Stability
- ◆ Disciplines to Ext. 1pps input in a short time
- ◆ RS-232C Digital Monitor & Control

Size and Dimension:



Specifications	
Output Frequency	10MHz
Output Level	Sine
Accuracy at shipment	$\pm 3E-11$ @25°C
Stability	1E-11/1s
(Allan deviation)	5E-12/10s 1E-12/100s
Phase noise(SSB)	-105 dBc/Hz at 1Hz -135 dBc/Hz at 10Hz -150 dBc/Hz at 100Hz -155 dBc/Hz at 1kHz -160 dBc/Hz at 10kHz -162 dBc/Hz at 100kHz
Aging	3E-12/Daily , 5E-11/Monthly
Supply	24V \pm 2V DC
Operating	17W@25°C
Warm-up	2.5A max. over 25°C
Warm-up time	5min. Time to lock. over 25°C
Retrace	$< 2E-11$
Control range	
With analog input	$> 2E-9$
With digital input	$> 2E-9$
GPS 1pps Locking	4 min within 10-11 20 min within 10-12
Operating temperature	-20°C to +65°C
Temperature Coefficient	3E-10
Storage Temperature	-40°C to +70°C
MTBF	200,000 hours
Connector	DB-15, SMA
Size	147.3 \times 101.9 \times 33 (mm)
Weight	900g

Connector

J1: DB-15ZJ

1: +24VDC	6: TXD	11: N/A
2: +24VDC	7: 1PPS Input	12: N/A
3: GND	8: Lock Tag	13: N/A
4: GND	9: N/A	14: N/A
5: RXD	10: 1PPS Output	15: N/A

J2: SMA

10MHz Sine Output

J3: SMA

1PPS Input

J4: SMA

1PPS Output

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