

Precise Time and Frequency Standards RMRO Series: Miniature Rubidium Oscillators

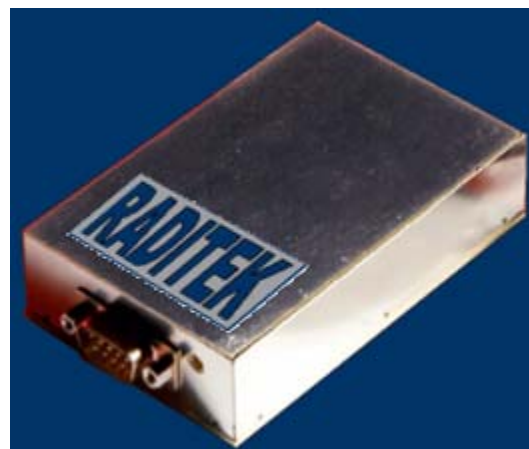
code-c5

APPLICATIONS

- Frequency Calibration
- Telecom Network Synchronization
- Broadcast
- Cellular Wireless Base Stations

FEATURES

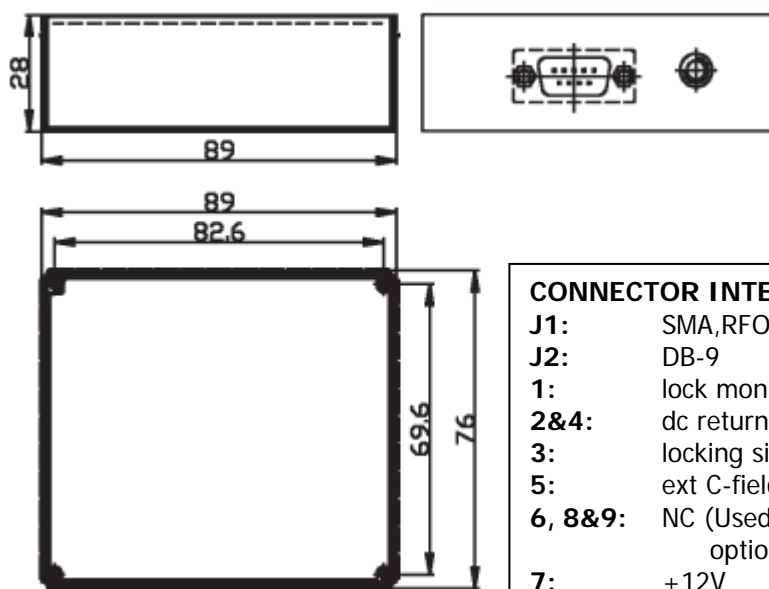
- RS232 Interface
- Low phase noise to -165dBc/Hz
- 2 Year Warranty
- Aging: 5×10^{-10} /year
- Stability: 5×10^{-12}
- 1PPS I/O Sync



BENEFITS

- Very low cost, high performance reference
- Fits 1U case
- Low failure risk
- Simple integration into systems

DIMENSIONS



RMRO-10M-S(f)-c5

Specifications may be subject to change

09/29/09

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Telephone: (408) 266-7404 FAX: (408) 266-4483

WEB: www.raditek.com , E-mail: sales@raditek.com

Precise Time and Frequency Standards RMRO Series: Miniature Rubidium Oscillators

code-c5

SPECIFICATIONS		PROVISIONAL INFORMATION	
Output	10MHz HCMOS		
Optional outputs	Consult factory		
Accuracy	±5E-11 at shipment @25°C		
Aging	Standard 5x10 ⁻¹² /day 5x10 ⁻¹¹ /month	Low Ø Noise 5x10 ⁻¹³ /day	
Retrace	±±3E-11		
Short Term Stability	Standard	Low Ø Noise	
1s	5E-11	5x10 ⁻¹²	
10s	1.6E-11	2x10 ⁻¹²	
100s	5E-12	4x10 ⁻¹³	
Phase Noise	Standard	Low Ø Noise	
10Hz	-85dBc	-120dBc	
100Hz	-125dBc	-140dBc	
1kHz	-140dBc	-160dBc	
Input Power	8W at 12V@25°C, Max 2.5A		
Input Voltage Range	12 ±0.5Vdc		
Warm-up	5 minutes to lock @ 25°C		
Frequency Control			
Internal trim range (trimpot)	±2E-9		
External trim range	±2E-9 (0V~5V)		
Temperature			
Operating	-20°C to +50°C		
Temperature Coefficient (ambient)	2E-10 (-20°C to 50°C)		
Storage	-55°C to +85°C		
MTBF	100,000 hours		
Connector	DB-9 Connector, SMA		
Size	89x76x28 (mm3) (190cc)		
Weight	0.25kg max		
Warranty	2 years		