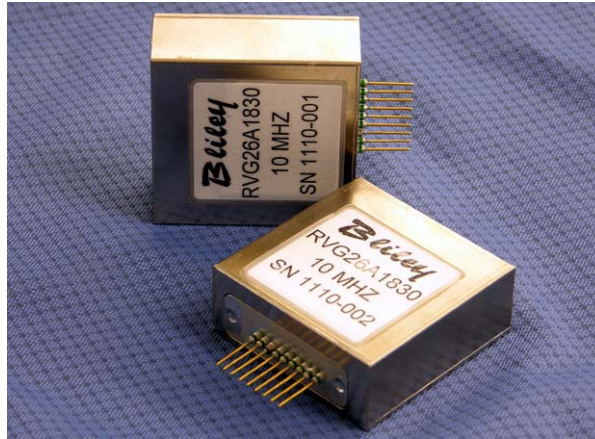


# Miniature Rubidium RVG26A1830 Clock Frequency Standard

### Description:

The RVG26A1830 Rubidium Frequency Standard is the first in Bliley's next generation of frequency references. The small footprint makes it possible to replace many of the more expensive units currently available.



### Features:

- Output Frequency: 10.0 MHz
- Sine Wave Output
- Temperature Stability: 0.3 ppb
- Aging; < 0.2ppb / Year

Applications include test and laboratory instrumentation, secure and unsecure communications equipment, precision networks, cellular base stations and many other precision applications.

Electrical Performance			
Parameter	Condition	Specification	Unit
Nominal Frequency		10.000000	MHz
Temperature Range	Operating, Base-plate	-20 to +65	°C
	Storage	-55 to +100	°C
Input Characteristics	Supply Voltage	+5 ±0.1	VDC
	Input Power:		
	Warm-up (Max)	15	Watts
	Steady State (25°C)	9	Watts
	Steady State (-20°C)	15	Watts
	Steady State (+65°C)	5	Watts
Warm-up Time	Time to Lock (<1 ppb @ 25°C)	<7	minutes
Output Characteristics	Output Type	Sine Wave	
	Output Power	7±1.5	dBm
	Harmonic Level	-30	dBc
	Spurious	-60	dBc
Frequency Accuracy	Time of Shipment @ 25°C	<±0.05	ppb
Frequency Stability	Temperature at Baseplate		
	Freq. vs. Temp (0°C to +50°C)	<±0.30	ppb
	Freq. vs. Temp (-20°C to +65°C)	<±2.0	ppb

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Frequency Retrace	On (24 Hours), Off (24 Hours), On (20 Minutes)	<±0.050	ppb
Aging (Long Term Stability)	Daily	<0.025	ppb
	Monthly	<.010	ppb
	Yearly	<2.0	ppb
Short Term Stability (Allan Variance)	1 Second	<0.05	ppb
	10 Seconds	<0.025	ppb
	100 Seconds	<0.01	ppb
Phase Noise	Offset from Carrier		
	@ 10 Hz	-100	dBc
	@ 100Hz	-125	dBc
	@ 1KHz	-145	dBc
	@ 10KHz	-155	dBc
Electronic Frequency Control	Control Range	0 - 5	VDC
	Trim Range	±1.0	ppb

