

PRECISION TIMING

XHTF1003-H Rubidium Frequency Standard

The XHTF1003-H is a high-performance rubidium frequency standard featuring excellent phase noise characteristics, compatible with LPRO Rb atomic clock, and offering RS-232C communication capabilities.

Overview

The **XHTF1003-H Rubidium Frequency Standard** delivers exceptional frequency stability and precision timing solutions. With its advanced features and robust specifications, it's ideal for applications requiring high accuracy and reliability. For detailed information, please [contact us](#).

Features

- Filter array I/O connection port
- Compatible with LPRO Rb atomic clock
- RS-232C serial port communication
- High stability and precision performance
- Comprehensive monitoring capabilities

Main Specifications

Core Specifications

Specification		Typical	High performance
Phase Noise (SSB)	@1Hz	<-75dBc/Hz	<-80dBc/Hz
	@10Hz	<-89dBc/Hz	<-95dBc/Hz
	@100Hz	<-128dBc/Hz	<-135dBc/Hz
	@1KHz	<-140dBc/Hz	<-145dBc/Hz
	@10KHz	<-147dBc/Hz	<-150dBc/Hz
	@100KHz	<-147dBc/Hz	<-162dBc/Hz

Pin Connection Details

Pin Number	Function	Pin Number	Function
1	10MHz RF output	6	Lock status
2	RF ground	7	External electric level adjustment
3	Rb light indication	8	GND
4	Shell ground	9	TXD
5	RXD	10	+24V