

PRECISION TIMING

XHTF1040 CPT Atomic Clock

The XHTF1040 CPT Atomic Clock features ultra-low power consumption, miniature structure, and comprehensive timing capabilities including 1PPS synchronization and TOD output.

Overview

The **XHTF1040 CPT Atomic Clock** combines miniature design with advanced timing capabilities. For detailed information, please [contact us](#).

Features

- Miniature structure
- 3.3V low power supply, 1.5V low consumption
- UART serial port communication
- Compatible with SA.45 pins
- 1PPS input synchronization and PPS output
- TOD output

Main Specifications

Core Specifications

Specification		Details	
Phase Noise (SSB)	@10Hz	≤-90dBc/Hz	
	@100Hz	≤-120dBc/Hz	
	@1KHz	≤-135dBc/Hz	
	@10KHz	≤-145dBc/Hz	

Pin Connection Details

Pin Number	Function	Pin Number	Function
1	NC	7	+3.3V
2	NC	8	GND
3	NC	9	1PPS input
4	Lock status	10	1PPS output
5	TXD	11	NC
6	RXD	12	10MHz output

Application

- Widely assembled on the time frequency system for satellite navigation, underwater navigation, digital communication, network synchronization, railway transportation etc.