

PRECISION TIMING

XHTF1040B CPT Atomic Clock

The XHTF1040B CPT Atomic Clock features miniature design, low power consumption, and advanced timing capabilities with TOD short message output, suitable for high dynamic situations.

Overview

The **XHTF1040B CPT Atomic Clock** combines miniature design with advanced timing capabilities, specifically optimized for high dynamic situations. For detailed information, please [contact us](#).

Features

- Miniature structure
- 3.3V low power supply, low consumption
- UART serial port communication
- Compatible with SA.45 pins
- 1PPS input synchronization and 1PPS output
- TOD short message output
- Be suitable for high dynamic situation

Main Specifications

Core Specifications

Specification		Details
Phase Noise (SSB)	@10Hz	-90dBc/Hz
	@100Hz	-120dBc/Hz
	@1KHz	-140dBc/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.