

Ultra Low Power Disciplined Oscillator – DTQ-100A from Taitien

# **Description**





# MAXIMIZE PRECISION AND EFFICIENCY WITH THE DTQ-100A ULTRA-LOW POWER DISCIPLINED OSCILLATOR

Taitien Electronics introduces the DTQ-100A, offering atomic clock-level precision with ultra-low power, perfect for underwater sensing, seismology, and long-term applications



# **Product Highlight:**

Taitien Electronics' <u>DTQ-100A</u> is an ultra-low power disciplined oscillator offering atomic clock-level precision with just 65mW of power consumption. This makes it perfect for power-constrained environment underwater sensing and seismology.

Achieving <  $\hat{A}\pm10\hat{a}\bullet$ >  $\hat{A}^1\hat{A}^2$  frequency accuracy and 1ns RMS phase accuracy, it ensures reliable synchron in long-term deployments. The <u>DTQ-100A</u> integrates 1PPS synchronization for easy deployment and redustrem complexity.

Offering a cost-effective alternative to CSAC with similar precision, it's ideal for large-scale applicatio as Ocean Bottom Nodes (OBN) and smart grids. Its compact size (39 x 34 x 14 mm) and RS232 interface ensure seamless integration, improving system efficiency and lowering maintenance costs.

Trust Taitien's DTQ-100A for precise, low-cost synchronization in demanding environments.

### **Overview:**

Package Size: 39 x 34 x 14 mm

Freq.: 16.384 MHz
Product Shape: DIP
Supply Voltage: 3.3 V
Output level: 2.6V CMOS

# View the DTQ-100A Ultra-Low Power Oscillator



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### Category

- 1. Ewave
- 2. RF-Microwave
- 3. Taitien

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