Ultra Low Power Disciplined Oscillator â€“ DTQ-100A from Taitien

Description

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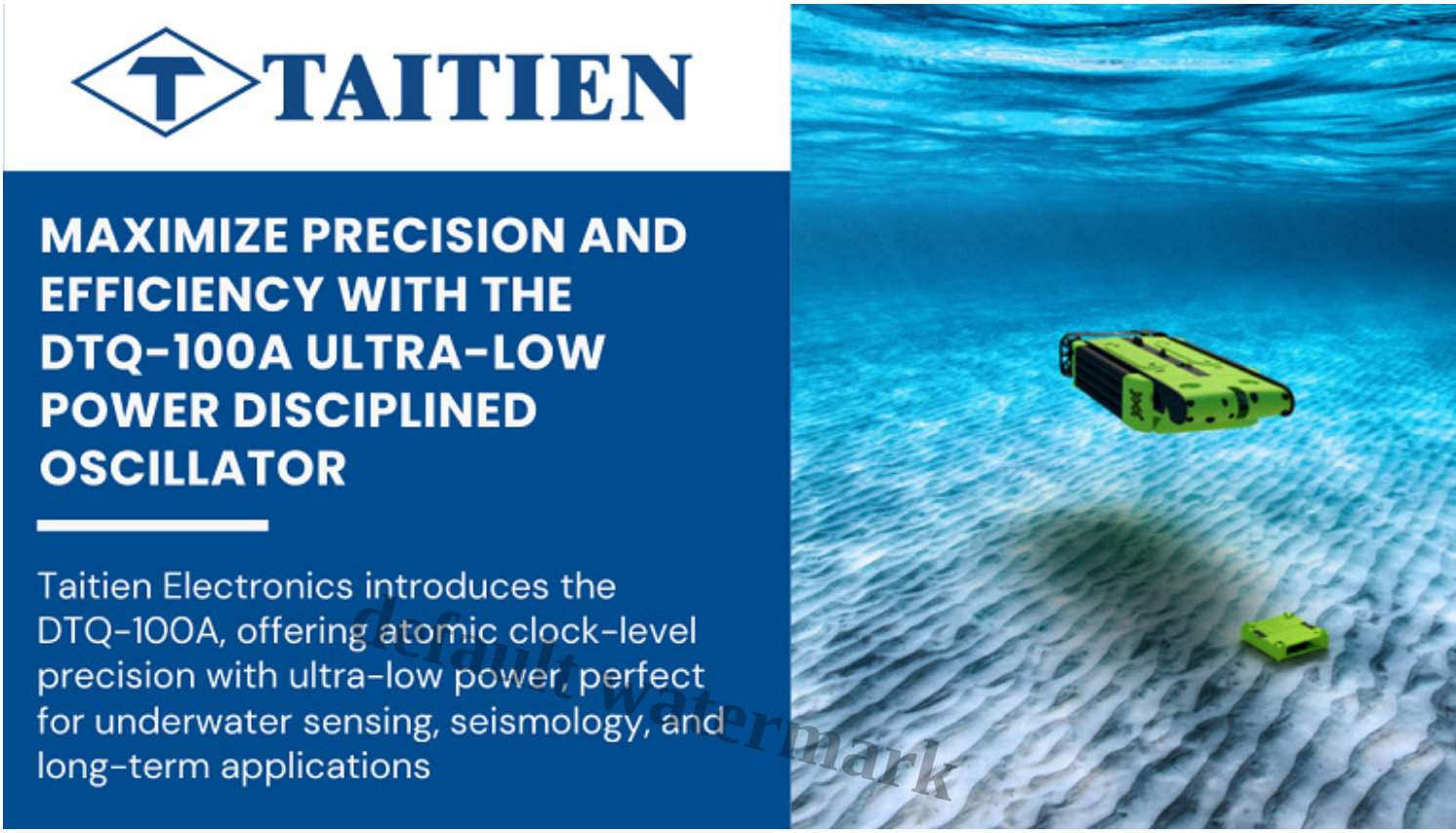


Product Highlight:

Taitien Electronicsâ€™ **DTQ-100A** 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 < Â±10â•»Â¹Â² frequency accuracy and 1ns RMS phase accuracy, it ensures reliable synchron in long-term deployments. The **DTQ-100A** integrates 1PPS synchronization for easy deployment and redu system complexity.

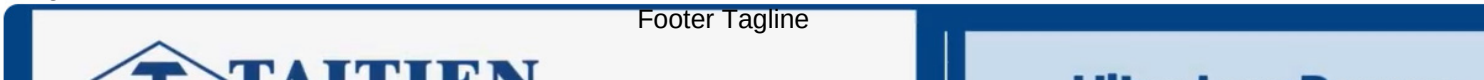
Offering a cost-effective alternative to CSAC with similar precision, itâ€™s ideal for large-scale application as Ocean Bottom Nodes (OBN) and smart grids. Its compact size (39 x 34 x 14 mm) and RS232 interface ensure seamless integration, improving system efficiency and lowering maintenance costs.

Trust Taitienâ€™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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