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FOR IMMEDIATE RELEASE

Automotive Grade Clock Oscillator Expansion

Lisle, IL – CTS Corporation (NYSE: CTS) announces an expansion to its CA Series automotive grade clock oscillator family adding devices that support complimentary LVPECL and LVDS outputs. Designed for automotive, industrial and commercial military/aerospace applications requiring wide operating temperature ranges all CA Series devices are manufactured on TS16949 certified production lines, AEC-Q200 qualified, PPAP compliant and operate over standard automotive temperature range -40°C to +125°C.

The new family additions are available in an array of compact hermetically sealed ceramic SMD package sizes, delivers standard differential load drive capability, typical rise and fall times less than 0.7ns, and standard Pin 1 output enable/disable function. Frequency stabilities span as low as ±25ppm over -40°C/+85°C range, to ±100ppm over -40°C/+125°C.

The new LVPECL and LVDS options joins the existing CA Series lineup of HCMOS output clock oscillators. The CA Series family platforms are also suitable to support a wide array of market segments; covering telecommunication infrastructure, networking, server applications, test and measurement, medical diagnostic equipment and much more; by delivering excellent phase jitter performance and extended temperature ranges for fan-less applications.

Standard product features, common market applications and new family platforms are summarized below. Please refer to individual data sheets on our website to view more performance characteristics.

Product Features

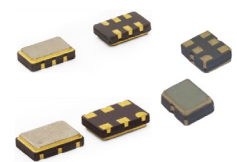
- TS16949 Certified
- AEC-Q200 Qualified
- PPAP Compliant
- LVPECL and LVDS Complimentary Outputs
- +1.8V, +2.5V or +3.3V Operation
- Fundamental or 3rd Overtone Crystal
- Output Enable Standard
- Low Phase Jitter Performance
- Tape and Reel Packaging

- Small Ceramic Surface Mount Packages
 - 2.5mmx2.0mm
 - 3.2mmx2.5mm
 - 5.0mmx3.2mm
 - 7.0mmx5.0mm

- Common Frequencies Available

- 25.0000MHz	- 74.1758MHz	- 100.0000MHz	- 133.0000MHz	- 155.5200MHz
- 50.0000MHz	- 74.2500MHz	- 125.0000MHz	- 150.0000MHz	- 156.2500MHz

[Consult data sheets and contact factory for availability of frequencies not listed.]



Market Applications

- Automotive Electronics
- Industrial IoT [IIoT]
- Medical Electronics
- Mobile Multimedia
- M2M Communication
- Commercial Military/Aerospace
- Railway Communication
- Industrial Controls
- Energy Industry
- Audio/Video Systems
- Gateway Communication
- Test and Measurement

Product Summary

Selector Guide

MODEL	PACKAGE SIZE [mm]	OUTPUT LOGIC	FREQUENCY [MHz]	SUPPLY VOLTAGE *	STABILITY	TEMPERATURE RANGE	PHASE JITTER [fs Typ]
CA25P CA25L CA32P CA32L CA50P CA50L CA70P CA70L	2.5 x 2.0 3.2 x 2.5 5.0 x 3.2 7.0 x 5.0	LVPECL LVDS	13.5 – 160	1.8V 2.5V 3.3V	±25ppm ±30ppm ±50ppm ±100ppm ±150ppm	-40°C to +85°C -40°C to +105°C -40°C to +125°C	500

*1.8V LVDS Output Only

http://www.ctscorp.com/connect_product_line/clock-oscillators/

Sales Contact

Production volume and samples are available now. For more information call +1-800-982-5737 (North America), +65-6481-1466 (Asia) or +1-508-435-6831 (all other regions), E-mail: frequencysales@ctscorp.com, see our website for more information as well as to contact a CTS Sales Representative or one of CTS’s many distribution partners.

About CTS

CTS (NYSE: CTS) is a leading designer and manufacturer of products that Sense, Connect, and Move. The company manufactures sensors, actuators, and electronic components in North America, Europe, and Asia. CTS provides solutions to OEMs in the aerospace, communications, defense, industrial, information technology, medical, and transportation markets.

For more information on CTS Corporation, please visit www.ctscorp.com.

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