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FOR IMMEDIATE RELEASE

Low Jitter Differential Clock Oscillator – Product Expansion

Lisle, IL – CTS Corporation (NYSE: CTS) announces two new performance options to its low jitter differential clock oscillator models; Model 633, Model 653 and Model 637. An extended temperature range covering -40°C to +105°C has been added, targeting applications operating in fan-less enclosures and industrial environments. In addition, a +1.8V operating voltage option for LVDS output logic is now available to support low power chipset designs.

CTS continues to add capability to its extensive low jitter clock portfolio, that provides design engineers high performance solutions, low cost options and miniature package sizes suitable for complex electronic systems. These series of clock models will support a wide array of market segments; covering infrastructure telecommunication networking, server applications, test and measurement, medical test equipment and much more; delivering superior low phase jitter performance and a high level of frequency stability.

Standard product features, common market applications and model performance briefs are summarized below for the expanded models. Please refer to individual data sheets on our website to see more performance characteristics.

Product Features

- Very Low Phase Jitter Performance
 - Fundamental or 3rd Overtone Crystal
 - Small Ceramic Surface Mount Package
 - 3.2mmx2.5mm
 - 5.0mmx3.2mm
 - 7.0mmx5.0mm
 - Common Frequencies Available
 - 25.00MHz
 - 50.00MHz
 - 74.1758MHz
 - 74.25MHz
 - 100.00MHz
 - 125.00MHz
 - 155.52MHz
 - 156.25MHz
 - 150.00MHz
 - 161.1328MHz
 - 200.00MHz
 - 312.50MHz
 - Output Enable Standard
 - Tape and Reel Packaging
 - Output Types Available
 - LVPECL
 - LVDS
- [Consult data sheet and contact factory for availability of frequencies not listed.]

Market Applications

- Wireless Infrastructure
- Network Communications
- Storage Area Networking
- Ethernet/Gbe/SyncE
- IoT & Industrial IoT [IIoT]
- Serializer/Deserializer [SerDes]
- SONET/SDH/DWDM
- Broadband Access
- Fiber Channel
- Base Stations
- DSL/ADSL
- M2M Communication
- Industrial Automation
- Test and Measurement
- Data Storage

Product Summary

Selector Guide

MODEL	PACKAGE SIZE [mm]	OUTPUT LOGIC	FREQUENCY [MHz]	PHASE JITTER [fs Typ]	STABILITY	SUPPLY VOLTAGE	TEMPERATURE RANGE
633	3.2 x 2.5	LVPECL LVDS	10 – 220	500 max.	±20ppm ±25ppm ±30ppm ±50ppm ±100ppm	1.8V * 2.5V 3.3V	-10°C to +60°C -20°C to +70°C -40°C to +85°C -40°C to +105°C
653	5.0 x 3.2	LVPECL LVDS	10 – 320	500 max.	±20ppm ±25ppm ±30ppm ±50ppm ±100ppm	1.8V * 2.5V 3.3V	-10°C to +60°C -20°C to +70°C -40°C to +85°C -40°C to +105°C
637	7.0 x 5.0	LVPECL LVDS	10 – 320	500 max.	±20ppm ±25ppm ±30ppm ±50ppm ±100ppm	1.8V * 2.5V 3.3V	-10°C to +60°C -20°C to +70°C -40°C to +85°C -40°C to +105°C

* 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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