

# Product Lineup

## CMOS Crystal Oscillator (CMOS XO)

### Features

- ▶ Low Phase Jitter: As low as 77fs
- ▶ Wide Temperature Range Support:  
-10 ~ 70°C, -40 ~ 85°C, -40 ~ 105°C, \*-40 ~ 125°C
- ▶ Available Frequency Stability:  
±20ppm, ±25ppm, ±50ppm
- ▶ Enable/Disable: Tri-state function

\*Note: Check with Pletronics for details



### Overview

Pletronics CMOS Crystal Oscillators are quartz-controlled precision timing devices designed for high-performance digital and communication systems. They combine low phase jitter, high frequency operation, precise frequency accuracy, multiple package options, multi-voltage support, and robust output drive characteristics to meet a wide range of application demands.

### Product Lineup

Product Series	Frequency Range	Series	Stability	VCC	Operation Temperature (Max)	Number of Pads	Package Size (L x W x H)
SM22	1 to 50MHz	Low Jitter	±20 ~ ±50ppm	1.8V 2.5V 3.3V	-40 ~ 105°C	4	2.05 x 1.65 x 0.75 mm
SM33	1.25 to 125MHz	Low Jitter	±20 ~ ±50ppm	1.8V 2.5V 3.3V	-40 ~ 105°C	4	2.5 x 2.0 x 0.81 mm
SM44	0.8 to 170MHz	Low Jitter	±20 ~ ±50ppm	1.8V 2.5V 3.3V	-40 ~ 105°C	4	3.2 x 2.5 x 0.95 mm
SM55	1.25 to 170MHz	Low Jitter	±20 ~ ±50ppm	1.8V 2.5V 3.3V	-40 ~ 85°C	4	5.0 x 3.2 x 1.2 mm
SM77	0.8 to 170MHz	Low Jitter	±20 ~ ±50ppm	1.8V 2.5V 3.3V	-40 ~ 85°C	4	7.0 x 5.0 x 1.3 mm
QM22L	1 to 160MHz	PRONTO	±20 ~ ±50ppm	1.8V 2.5V 3.3V	-40 ~ 105°C	4	2.05 x 1.65 x 0.75 mm
QM33L	1 to 160MHz	PRONTO	±20 ~ ±50ppm	1.8V 2.5V 3.3V	-40 ~ 105°C	4	2.5 x 2.0 x 0.81 mm
QM44L	1 to 160MHz	PRONTO	±20 ~ ±50ppm	1.8V 2.5V 3.3V	-40 ~ 105°C	4	3.2 x 2.5 x 0.95 mm
QM55L	1 to 160MHz	PRONTO	±20 ~ ±50ppm	1.8V 2.5V 3.3V	-40 ~ 105°C	4	5.0 x 3.2 x 1.2 mm
QM77L	1 to 160MHz	PRONTO	±20 ~ ±50ppm	1.8V 2.5V 3.3V	-40 ~ 105°C	4	7.0 x 5.0 x 1.3 mm
S3880	32.768KHz		-0.035 ppm/Δ°C <sup>2</sup>	1.3V ~ 5.5V	-40 ~ 85°C	4	3.2 x 1.5 x 1.0 mm
SM22K SM33K SM44K	32.768KHz		±20 ~ ±50ppm	1.8V 2.5V 3.3V	-40 ~ 105°C	4	2.05 x 1.65 x 0.75 mm 2.5 x 2.0 x 0.81 mm 3.2 x 2.5 x 0.95 mm

