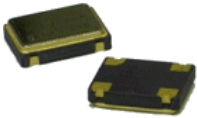





# PLETRONICS

## CMOS Output Oscillators

RoHS 6/6 Compliant

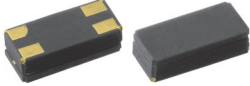
Ceramic SMD Packages

Package	Series	Features	Package Size	
	SM77	0.8 MHz–180 MHz <ul style="list-style-type: none"> <li>◆ 1.8V, 2.5V, 3.3V</li> <li>◆ -10°C to +70°C standard</li> <li>◆ -20°C to +70°C optional</li> <li>◆ -40°C to +85°C optional</li> <li>◆ Low Power and High Current Output Drive options available</li> </ul>	5 x 7 x 1.73h mm	
	SM55	0.8 MHz–180 MHz <ul style="list-style-type: none"> <li>◆ 0.8V, 1.2V, 1.8V, 2.5V, 3.3V</li> <li>◆ -10°C to +70°C standard</li> <li>◆ -20°C to +70°C optional</li> <li>◆ -40°C to +85°C optional</li> <li>◆ Low Power and High Current Output Drive options available</li> </ul>	L Model only ± 10 PPM Stability	3.2 x 5 x 1.15h mm
	SM44T	0.8 MHz–180 MHz <ul style="list-style-type: none"> <li>◆ 1.8V, 2.5V, or 3.3V</li> <li>◆ -10°C to +70°C standard</li> <li>◆ -20°C to +70°C optional</li> <li>◆ -40°C to +85°C optional</li> </ul>		2.5 x 3.2 x 1.05h mm
	SM33T	0.75 MHz–50 MHz <ul style="list-style-type: none"> <li>◆ 1.8V, 2.5V or 3.3V</li> </ul>		2 x 2.5 x 1.0h mm

### PART NUMBER CONFIGURATION (Please note that not all possible combinations are available)

CMOS	CMOS	CMOS
<p><b>SM77 45 D E V - 80.0M</b></p> <p>Frequency Stability: 45 = ±50 PPM, 44 = ±25 PPM, 20 = ±20 PPM</p> <p>Supply Voltage: V = 3.3 volts ± 10%, W = 2.5 volts ± 10%, X = 1.8 volts ± 5%</p> <p>Model: H: General Purpose &lt; 70MHz, D: General Purpose &gt; 70MHz, G: Large Capacitance Load, M: Lower Power</p> <p>Standard Temperature Ranges: Blank = -10 to 70 °C, C = -20 to 70 °C, E = -40 to 85 °C</p>	<p><b>SM55 45 T E V 80.0M</b></p> <p>Frequency Stability: 45 = ±50 PPM, 44 = ±25 PPM, 20 = ±20 PPM, 10 = ±10 PPM, 05 = ± 5 PPM</p> <p>Supply Voltage: V = 3.3 volts ± 10%, W = 2.5 volts ± 10%, X = 1.8 volts ± 5%, Z = 0.8 volts to 2.0 Volts</p> <p>Model: T: General Purpose, G: Large Capacitance Load, M: Lower Power, L: Tight Stability, J: Optimized for 3rd Overtone</p> <p>Standard Temperature Ranges: Blank = -10 to 70 °C, C = -20 to 70 °C, E = -40 to 85 °C</p>	<p><b>SM44 45 T E V - 80.0M</b></p> <p>Model: SM44T: 2.5x3.2, SM33T: 2x2.5</p> <p>Supply Voltage: V = 3.3 volts ± 10%, W = 2.5 volts ± 10%, X = 1.8 volts ± 5%</p> <p>Frequency Stability: 45 = ±50 PPM, 44 = ±25 PPM, 20 = ±20 PPM</p> <p>Standard Temperature Ranges: Blank = -10 to 70 °C, C = -20 to 70 °C, E = -40 to 85 °C</p>

## 32.768 KHz Oscillator

	<p><b>S3880</b></p> <p>32.768 kHz</p> <ul style="list-style-type: none"> <li>◆ 1.2V, 1.8V, 2.5V, or 3.3V</li> <li>◆ -40°C to +85°C</li> <li>◆ Exceptionally rugged</li> <li>◆ Output on pad 1</li> </ul>	1.5x3.2 x 1.0h mm
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### APPLICATIONS

- ◆ Ethernet
- ◆ FibreChannel
- ◆ Serial Attached SCSI (SAS)
- ◆ Server & Storage platforms
- ◆ SONET/SDH linecards
- ◆ T1/E1, T3/E3 linecards
- ◆ DSLAM
- ◆ 802.11 a/b/g WiFi
- ◆ WLAN
- ◆ HBA
- ◆ Portable Multimedia Player (PMP)
- ◆ Notebook Computer