

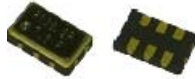
# Pletronics

## Crystal Controlled Oscillators PECL OUTPUT RoHS 6/6 Compliant

### PE55D Series

LCC Ceramic Package  
3.2 x 5.0 x 1.35 mm

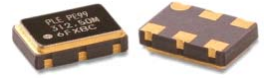
- ◆ 3rd Overtone crystal
- ◆ Enable/Disable function on pad 1
- ◆ Small SMD package for high density board designs



### PE9xD Series

LCC Ceramic Package  
5.0 x 7.0 x 1.7 mm

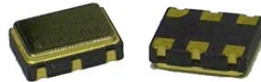
- ◆ Output frequency is synthesized from fundamental quartz crystal
- ◆ Enable/Disable function:
  - ◇ PE99 on pad 1
  - ◇ PE93 on pad 2



### PE77D Series

LCC Ceramic Package  
5.0 x 7.0 x 1.7 mm

- ◆ 3rd Overtone crystal
- ◆ Enable/Disable function on pad 1



### VPU7 Series - vcxo

LCC Ceramic Package  
5.0 x 7.0 x 2.97 mm

- ◆ Output frequency is synthesized from fundamental quartz crystal
- ◆ Enable/Disable function on pad 2
- ◆ +/- 50 PPM APR



### FEATURES

- ◆ Excellent phase noise characteristics
- ◆ All have Tri-State with Power Standby modes
- ◆ Temp range: -10° to +70°C Standard, -40° to +85°C Extended
- ◆ Available Tolerances: +/- 20PPM, +/- 25PPM, and +/- 50PPM
- ◆ Most common frequencies in stock

### APPLICATIONS

- ◆ Ideal reference clocks for high-speed applications requiring low jitter, including:
  - ◇ 1/10 Gigabit Ethernet
  - ◇ 2/4/10G Fibre Channel
  - ◇ Server & Storage platforms
  - ◇ SONET/SDH linecards.

Pletronics Part Series	Package Size	Frequency Range (MHz)	Tr/Tf Maximum (pS)	Duty Cycle %	RMS Jitter (pS)		Current with Load (ma)	Supply Voltage		Supply Noise Rejection
					12KHz-20MHz	10Hz-20MHz		2.5V	3.3V	
<b>PE55</b>	3.2x5 mm	40-250	700	45-55	0.6	2.8	90	*	*	Good
<b>PE77</b>	5x7 mm	40-325	700	45-55	0.6	2.8	90	*	*	Good
<b>PE99 PE93</b>	5x7 mm	10.9-766 876-1,170	300	47-53	0.6	2.8	90		*	Excellent
<b>VPU7</b>	5x7 mm	10.9-766 876-1,170	300	47-53	0.8	3.2	110		*	Good

◆ See individual data sheets and standard part number builder on [www.pletronics.com](http://www.pletronics.com) for allowable configurations and complete specifications

### Standard Part Number Generation

