Pletronics
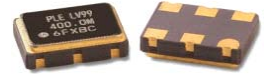
LV55D Series

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
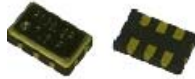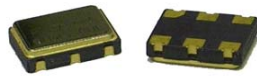
LV9xD Series

LCC Ceramic Package
5.0 x 7.0 x 1.7 mm

♦ Output frequency is synthesized from fundamental quartz crystal
♦ Enable/Disable function:
 ◊ LV99 on pad 1   ◊ LV93 on pad 2
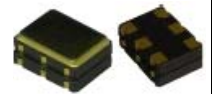
LV77D Series

LCC Ceramic Package
5.0 x 7.0 x 1.7 mm

♦ 3rd Overtone crystal
♦ Enable/Disable function on pad 1

VLU7 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	
LV55	3.2x5 mm	40-250	900	45-55	0.6	2.8	66	*	*	Good
LV77	5x7 mm	40-325	900	45-55	0.6	2.8	66	*	*	Good
LV99 LV93	5x7 mm	10.9-670	300	47-53	0.6	2.8	90		*	Excellent
VLU7	5x7 mm	10.9-670	300	47-53	0.8	3.2	90		*	Good

◊ See individual data sheets and standard part number builder on www.pletronics.com for allowable configurations and complete specifications

Standard Part Number Generation

LVXX

LV77 45 D E V - 80.0M

Model
LV77, LV55, LV99, LV93

Frequency Stability
45 = ± 50 PPM
44 = ± 25 PPM
20 = ± 20 PPM

Frequency in MHz / GHz

Supply Voltage
V = 3.3 volts ± 10%
W = 2.5 volts ± 10%

Standard Temperature Ranges
Blank = -10 to +70°C
E = - 40 to +85°C

VLU7

VLU7029036 EG000 050 - 312.50M

Model with Vcc
3.3 volts ± 10%

Frequency in MHz / GHz

Pullability in ppm (Vcontrol) APR
50 ppm standard

Standard Temperature Ranges
EG000 = -10 to +70°C
LK000 = - 40 to +85°C