

PLETRONICS

RoHS 6/6 Compliant

Crystal Controlled Oscillators
LVDS OUTPUT

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



LV77D Series

LCC Ceramic Package
5.0 x 7.0 x 1.7 mm

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



LV55F and LV55G Series

LCC Ceramic Package
3.2 x 5.0 x 1.35 mm

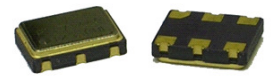
- ◆ LV55F is Fundamental crystal
- ◆ LV55G is 3rd Overtone crystal
- ◆ Improved rise and fall times
- ◆ Enable/Disable function on pad 1
- ◆ Small SMD package for high density board designs



LV77F and LV77G Series

LCC Ceramic Package
5 x 7 x 1.7 mm

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- ◆ LV77G is 3rd Overtone crystal
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- ◆ Enable/Disable function on pad 1

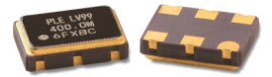


LV99D Series

LCC Ceramic Package
5.0 x 7.0 x 1.7 mm

3.3 Volt Only

- ◆ Advanced Synthesized design
- ◆ uses a fundamental mode crystal
- ◆ Frequencies from 10MHz to over 600MHz.

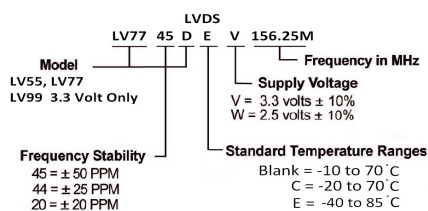


Pletronics Part Series	Package Size	Crystal Mode	Frequency Range (MHz)	Tr/Tf Maximum (pS)	Duty Cycle %	Typical RMS Jitter (pS)		Current with Load (ma)	Supply Voltage	
						12KHz-20MHz	10Hz-20MHz		2.5V	3.3V
LV55D	3.2x5 mm	3rd OT	80-325	900	45-55	0.4	2.6	66	✓	✓
LV55F	3.2x5 mm	Fund.	13-110	400	45-55	0.4	1.0	27	✓	✓
LV55G	3.2x5 mm	3rd OT	35-220	400	45-55	0.4	0.9	40	✓	✓
LV77D	5x7 mm	3rd OT	80-325	900	45-55	0.4	2.6	66	✓	✓
LV77F	5x7 mm	Fund	13-110	400	45-55	0.4	1.0	27	✓	✓
LV77G	5x7 mm	3rd OT	35-220	400	45-55	0.4	0.9	40	✓	✓
LV99D	5x7 mm	Fund. Synth.	10.9-670	300	47-53	0.6	2.1	90		✓

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

Part Numbering



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

RoHS 6/6 Compliant

Crystal Controlled Oscillators
PECL OUTPUT

PE55D Series

LCC Ceramic Package
3.2 x 5.0 x 1.35 mm

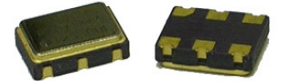
- ◆ 3rd Overtone crystal
- ◆ Enable/Disable function on pad 1
- ◆ Small SMD package for high density board designs



PE77D Series

LCC Ceramic Package
5.0 x 7.0 x 1.7 mm

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



PE55F and PE55G Series

LCC Ceramic Package
3.2 x 5.0 x 1.35 mm

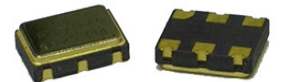
- ◆ PE55F is Fundamental crystal
- ◆ PE55G is 3rd Overtone crystal
- ◆ Improved rise and fall times
- ◆ Enable/Disable function on pad 1



PE77F and PE77G Series

LCC Ceramic Package
5 x 7 x 1.7 mm

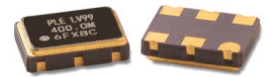
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PE99D Series

LCC Ceramic Package 3.3 Volt Only
5.0 x 7.0 x 1.7 mm

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- ◆ uses a fundamental mode crystal
- ◆ Frequencies from 10MHz to over 1-GHz.

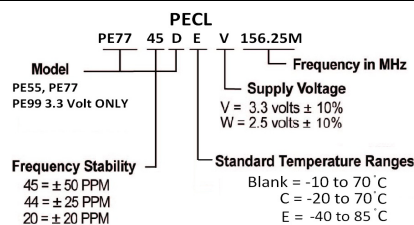


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						12KHz-20MHz	10Hz-20MHz		2.5V	3.3V
PE55D	3.2x5 mm	3rd OT	40-250	700	45-55	0.4	2.6	90	✓	✓
PE55F	3.2x5 mm	Fund.	13-110	400	45-55	0.9	1.0	27	✓	✓
PE55G	3.2x5 mm	3rd OT	35-220	400	45-55	0.4	0.9	40	✓	✓
PE77D	5x7 mm	3rd OT	40-325	700	45-55	0.4	2.6	90	✓	✓
PE77F	5x7 mm	Fund.	13-110	400	45-55	0.9	1.0	27	✓	✓
PE77G	5x7 mm	3rd OT	35-220	400	45-55	0.4	0.9	40	✓	✓
PE99	5x7 mm	Fund. Synth.	10.9-766 876-1,170	300	47-53	0.6	2.1	90		✓

FEATURES

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- ◆ Temp range: -10° to +70°C Standard, -40° to +85°C Extended
- ◆ Available Tolerances: +/- 20PPM, +/- 25PPM, and +/- 50PPM
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