

PLETRONICS

Voltage Controlled Crystal Oscillators

RoHS 6/6 Compliant

VHD6 CMOS Series LCC Ceramic Package 3.2 x 5.0 x 1.35 mm ♦ Fundamental Mode Crystal 	VHA6 CMOS Series LCC Ceramic Package 5.0 x 7.0 x 1.9 mm ♦ Fundamental Mode Crystal 
VLU7 LVDS Series LCC Ceramic Package 5.0 x 7.0 x 2.97 mm Supply Voltage 3.3 Volt Only ♦ Output frequency is synthesized from fundamental quartz crystal ♦ +/- 50PPM APR 	VPU7 PECL Series LCC Ceramic Package 5.0 x 7.0 x 2.97mm Supply Voltage 3.3 Volt Only ♦ Output frequency is synthesized from fundamental quartz crystal ♦ +/- 50PPM APR 
VLA6 LVDS Series LCC Ceramic Package 5.0 x 7.0 x 1.9 mm ♦ Fundamental Mode Crystal 	VPA6 PECL Series LCC Ceramic Package 5.0 x 7.0 x 1.9 mm ♦ Fundamental Mode Crystal 
VLD6 LVDS Series LCC Ceramic Package 3.2 x 5.0 x 1.35 mm ♦ Fundamental Mode Crystal 	VPD6 PECL Series LCC Ceramic Package 3.2 x 5.0 x 1.35 mm ♦ Fundamental Mode Crystal 

Pletronics Part Series	Package Size	Frequency Range (MHz)	Tr/Tf Maximum (nS)	Duty Cycle %	Typical RMS Jitter (pS)		Current with Load (ma)	Supply Voltage	
					12KHz-20MHz	10Hz-20MHz		2.5V	3.3V
VHD6	3.2x5 mm	10-106	6.0	45-55	0.6		8.0	*	*
VHA6	5x7 mm	1.7-108	6.0	45-55	0.6		8.0	*	*
VLU7	5x7 mm	10.9-670	0.3	47-53	0.6	3.2	90		*
VPU7	5x7 mm	10.9-1,170	0.3	47-53	0.8	3.2	110		*
VLA6	5x7 mm	25-180	0.7	45-55			40		*
VLD6	3.2x5 mm	25-180	0.7	45-55			40		*
VPA6	5x7 mm	25-180	1.0	45-55			90		*
VPD6	3.2x5 mm	25-180	1.0	45-55			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

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 line cards.