

Programmable LVPECL Oscillator

Applications

- * Serial Communications
- * Routers
- * Switches
- * WAN Interfaces
- * Test Equipment

Platinum Series CHE



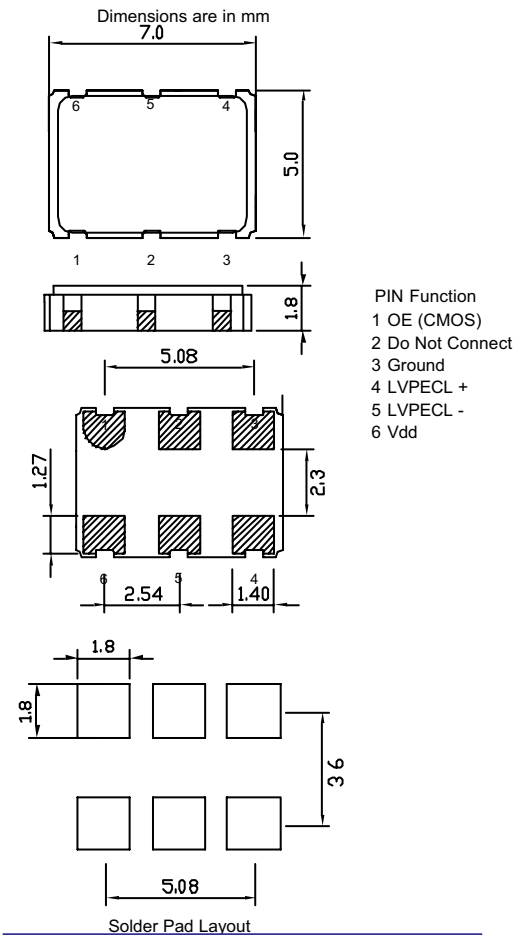
- * LVPECL Output
- * Fast Delivery
- * Industry Standard Packaging

Part Numbering Example: CHE Z - A5 BP - 222.5792 TS

CHE	Z	A5	BP	222.5792	TS
SERIES	PACKAGING OPTIONS	OPERATING TEMP	STABILITY	FREQUENCY	TRI-STATE
CHE	Blank = Bulk Z = Tape and Reel	Blank = 0°C ~ +70°C A5 = -20°C ~ +70°C A7 = -40°C ~ +85°C	Blank = ±100 ppm BP = ±50 ppm		TS = Tri-State

Specifications:	Min	Typ	Max	Unit
Frequency Range:	200		800	MHz
Stability:	-50		+ 50	ppm
Supply Voltage:	3.135	3.3	3.465	V
Vdd Rise Time:	100			µS
Operating Temperature:	-20		+ 70	°C
Storage Temperature:	-55		+ 125	°C
Duty Cycle:	45		55	%
Start-Up Time:		3	10	mS
Aging: (ppm/1st Year) Ta=25C, Vdd=3.3V			5	ppm
Supply Current:			140	mA
Short Circuit Current:		± 50		mA
RMS Period Jitter:		15		pS
RMS Integrated Jitter: 12kHz to 20MHz		20		pS
Phase Noise @ 10kHz:			-90	dBc/Hz
Output Voltage: V _{oh} V _{ol}	Vdd - 1.025		Vdd - 1.62	V
Rise/Fall Time:		0.4	0.8	nS
Output Level:	LVPECL			
Packaging:	Tape and Reel 1000 pcs per Reel			

CHE



Tristate internal pullup resistor output active when high

LVPECL Levels Test Circuit

