Programmable LVDS Oscillator

CARDINAL COMPONENTS

Platinum Series CAL

* LVDS Output
* Fast Delivery
* Industry Standard Packaging

Applications

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

Pb RoHS COMPLIANT 2002 / 95 / EC

Part Numbering Example: CAL L Z - A5 BP - 22.5792 TS

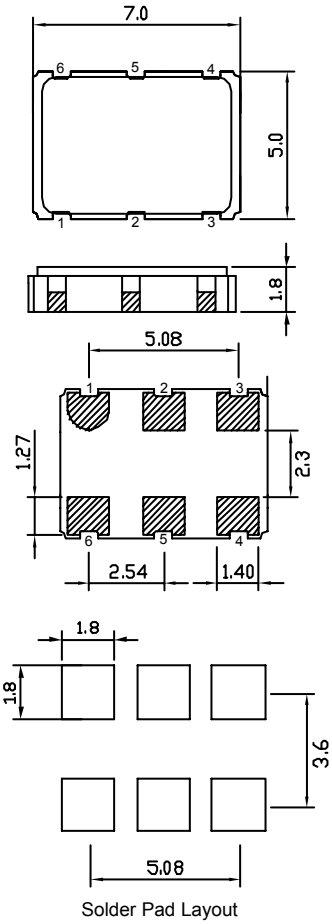
CAL	L	Z	A5	BP	22.5792	TS
SERIES	**VOLTAGE**	**PACKAGING OPTIONS**	**OPERATING TEMP.**	**STABILITY**	**FREQUENCY**	**TRI-STATE**
CAL	L = 3.3V S = 2.5V	Blank = Bulk Z = Tape and Reel	Blank = 0°C ~ +70°C A5 = -20°C ~ +70°C A7 = -40°C ~ +85°C	Blank = ±100 ppm BP = ±50 ppm		TS = Tri-State

Specifications:	Min	Typ	Max	Unit
Frequency Range:	1.5		200	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:			130	mA
Short Circuit Current:		± 50		mA
RMS Period Jitter:		10		pS
RMS Integrated Jitter: 12kHz to 20MHz		15		pS
Phase Noise @ 10kHz:			-100	dBc/Hz
Output Voltage: Voh Vol	 0.9		1.6	 V V
Output Differential Voltage:	240	350	460	mV
Rise/Fall Time:		0.4	0.8	nS
Output Level:		LVDS		
Packaging:		Tape and Reel 1000 pcs per Reel		

Tri State Internal pull up resistor 70K ohms, output active when high

CAL

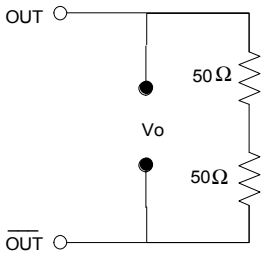
Dimensions are in mm



Solder Pad Layout

PIN Function
1 OE (CMOS)
2 Do Not Connect
3 Ground
4 LVDS +
5 LVDS -
6 Vdd

LVDS Levels Test Circuit



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