

# Programmable TCXO LVDS

## CARDINAL COMPONENTS

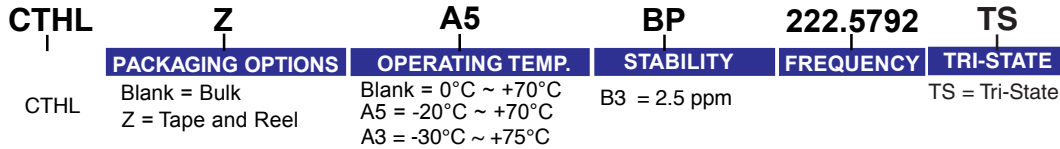
Platinum Series **CTHL**

- \* LVDS Output
- \* Fast Delivery
- \* Industry Standard Packaging

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



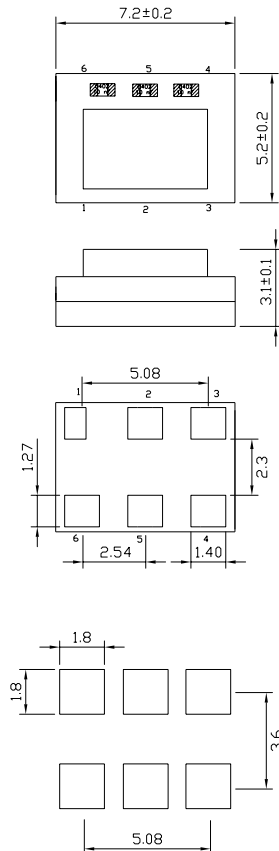
### Part Numbering Example: CTHL Z - A5 BP - 222.5792 TS



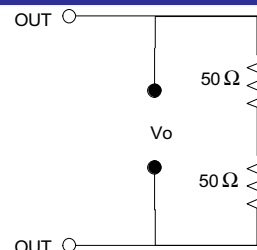
Specifications:	Min	Typ	Max	Unit
Frequency Range:	200		800	MHz
Stability:	-2.5		+ 2.5	ppm
Supply Voltage:	3.135	3.3	3.465	V
Vdd Rise Time:	100			μS
Operating Temperature:	-30		+ 75	°C
Storage Temperature:	-45		+ 85	C
Duty Cycle:	45		55	%
Start-Up Time:		3	10	mS
Aging: (ppm/1st Year) Ta=25C, Vdd=3.3V			1	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: 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			

### CTHL

Dimensions are in mm



### LVDS Levels Test Circuit



Tristate internal pull up resistor--  
output active when high

## Cardinal Components, Inc.

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