



# VOLTAGE CONTROLLED CRYSTAL OSCILLATOR-PECL

**VCXO 1900,1901,1925&1926**

## FEATURE

- Compact DIL-14 Package
- Wide frequency range from 40 MHz upto 210 MHz
- Custom options available
- RoHS Compliant Standard

Table 1

Codes	Stability Codes	E	F	G	M	K
	Frequency stability range	±15 PPM	±20 PPM	±25 PPM	±50 PPM	±100 PPM
A	0 to +50° C					
B	0 to +60° C					
F	0 to +70° C					
D	-10 to +60° C					
E	-10 to +70° C					
C	-20 to +70° C					
G	-30 to +80° C					
H	-30 to +85° C					
I	-40 to +85° C					

Denotes Available      Denotes not Available

## MECHANICAL SPECIFICATIONS

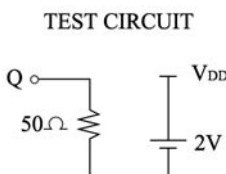
	Outline 1900 & 1925	Outline 1901 & 1926
Top View		
Front View		
Bottom View		

Note: Sharp edge indicates Pin 1.

▲ All dimensions are in mm.

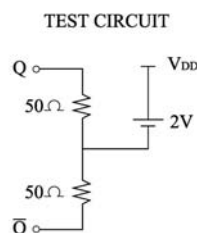
### Pin Configuration of VCXO 1900&1925

- 1: Control Voltage
- 7: VEE (0 Volts)
- 8: Output (Q)
- 9: Output (Q)
- 14: VDD



### Pin Configuration of VCXO 1901&1926

- 1: Control Voltage
- 7: VEE (0 Volts)
- 8: Output (Q)
- 9: Output (Q)
- 14: VDD



Parameters	1900/1901	1925/1926	Option codes
Series:	■	■	
Frequency Range:	40 MHz – 210 MHz	■	Specify
Accuracy @ 25°C:	± 10 ppm.	■	
Output Drive:	100K PECL Compatible	■	
Output Waveform:	Square Wave	■	
Output Levels:	Logic '0' = +3.38V max, '1' = +3.97V min Logic '0' = +1.68V max, '1' = +2.27V min	■	
Rise / fall time: (20% to 80% VDD)	5 ns max	■	
Waveform Symmetry:	40:60% max	■	
Frequency Stability:	(Table 1)	□	Specify
Temperature Range:	(Table 1)	□	Specify
Supply voltage (VDD):	+5.0V DC (±5%) +3.3V DC (±5%)	■	
Supply Current:	130 mA max 100 mA max	■	
Control Voltage Range:	0.5 VDD ± 0.5 VDD	■	
Pulling Range:	± 100 ppm min ± 50 ppm min	■	
Linearity:	20% max	■	
Start up time:	10 ms max	■	
Ageing:	± 5 ppm max per year	■	
Storage temperature range:	-55 to +125° C	■	

■ Standard, □ Optional – please specify required code(s) when ordering.

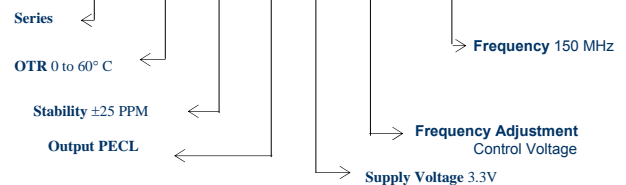
Table 2

Supply Voltage	+3.3V	+5V
Code	3	5

### Ordering Information

#### Example

1925 B G P 3 V 150M000000



Specifications subject to change without notice  
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