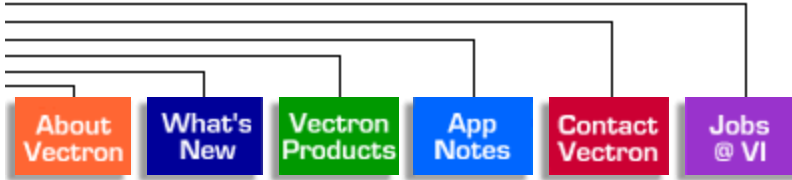




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## T-1100, T-1150 Series Miniature TCXOs



### Features

- Low profile design
- Low current
- 5.0 VDC and 3.3 VDC options
- Voltage tune option
- Low cost
- Many parts in stock

SPECIFICATIONS	
Frequency Range	8.0 MHz to 24.0 MHz
Standard Frequencies	9.6MHz, 10MHz, 12.8MHz, 15.36MHz
Stability Options	1 = ±1.5 PPM 2 = ±2.5 PPM 3 = ±3.5 PPM
	-30°C to +70°C relative to +25°C
Stability vs. Supply	<±0.3 PPM for a change in B+ of <±5%
Aging	< 1.0 PPM/Year after 30 days at +40°C
Mechanical Trim	±3.0 PPM Minimum, sufficient for 5 years aging
Storage Temperature	-40°C to +80°C
Input Voltage	A = +5.0 VDC ±5% B = +3.0 VDC ±5%

T-1150	+5.0 VDC	+3.0 VDC
Output	1.0 V P-P	0.8 V P-P
Current	<2.0 mA	<1.0 mA
Load	10 KΩ/10pf	10 KΩ/10pf

T-1100	+5.0 VDC	+3.0 VDC
Logic "1"	4.5V Min.	2.6V Min.
Logic "0"	0.4V Max.	0.4V Max.
Current	10 mA Max.	5 mA Max.

Load	2 TTL	2 TTL
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**Optional Voltage Control**

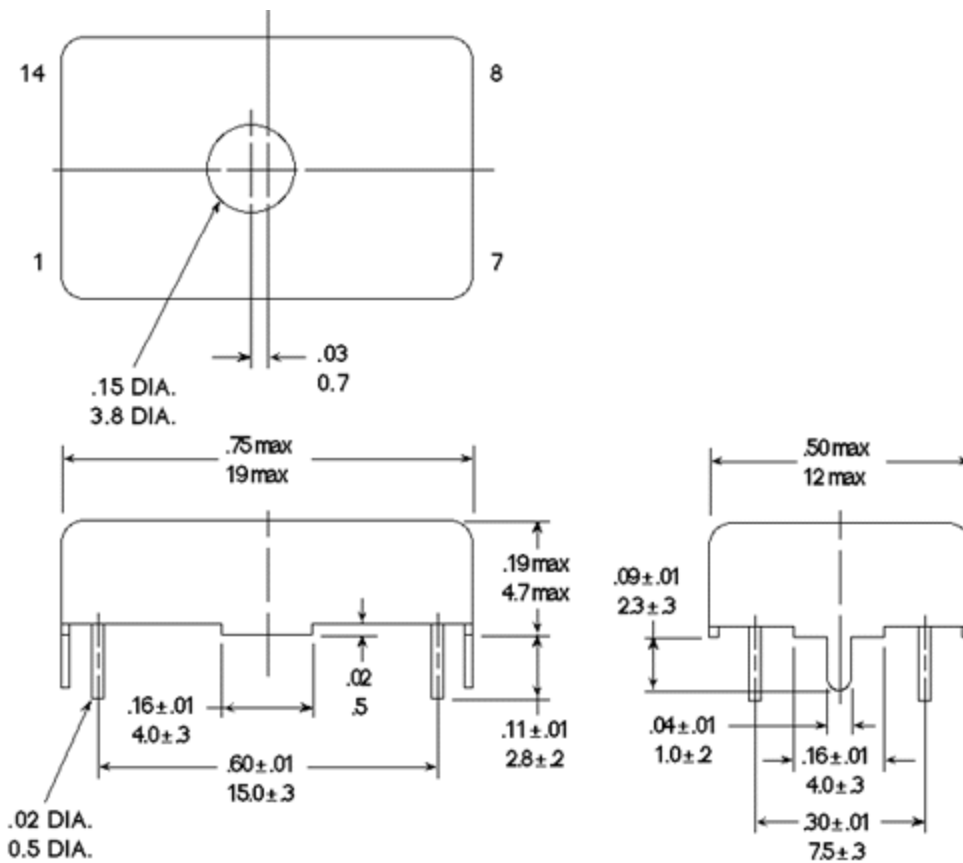
0 No VCO Option

1 ±3.0 PPM Min. 2.5V ± 1.5V\*

2 ±6.0 PPM Min. 2.5V ± 1.5V\*

\* 3.0 VDC units' VC is +1.5V±1.0V. Option 2 is not available.  
VCO Option is only available with ±2.5 PPM vs. Temp.

**T-1100/1150**



Note: dimensions in inches.

**Pinouts**

- 1\* Optional VCO
- 7 Ground Case
- 8 Output
- 14 Supply

\*Pin omitted if no VC.



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