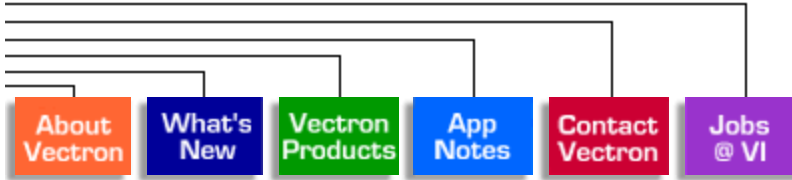




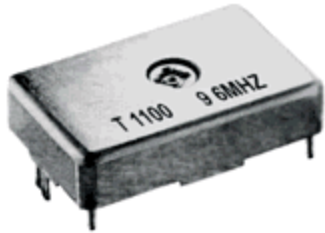
Jump to PDF Datasheets



*Search*

Products > [TCXOs](#) > T-1100, T-1150 Series

## 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
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
------	-------	-------

**Optional Voltage Control**

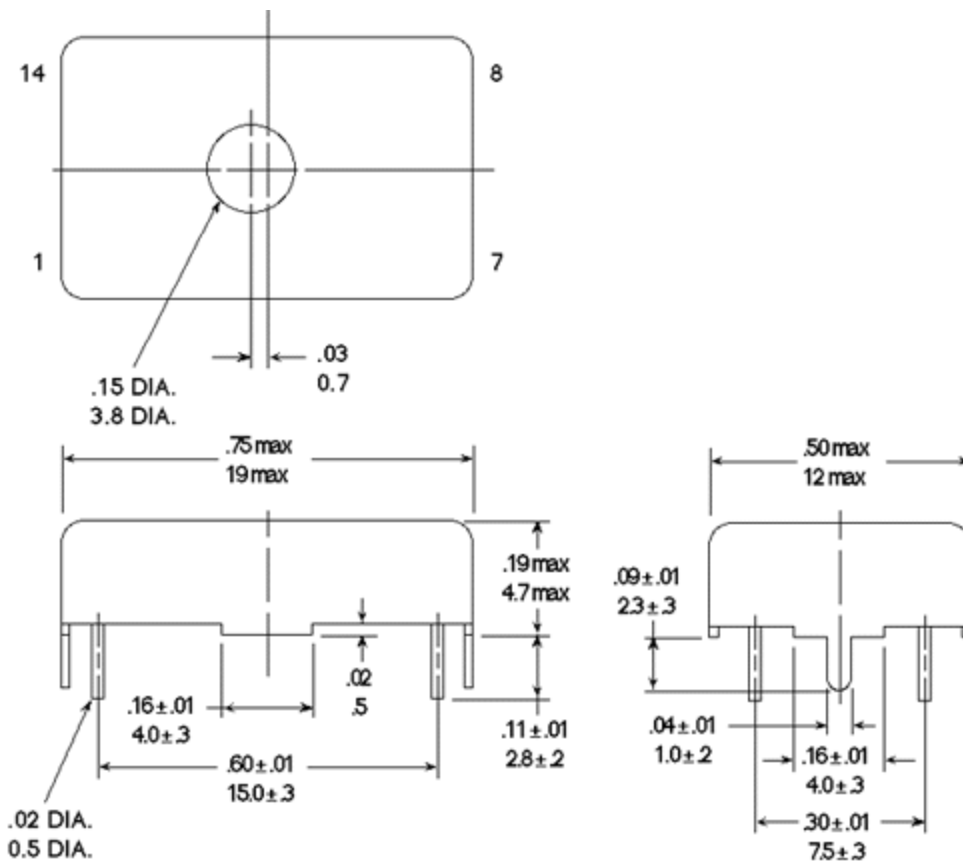
0 No VCO Option

1  $\pm 3.0$  PPM Min.  $2.5V \pm 1.5V^*$

2  $\pm 6.0$  PPM Min.  $2.5V \pm 1.5V^*$

\* 3.0 VDC units' VC is  $+1.5V \pm 1.0V$ . Option 2 is not available.  
VCO Option is only available with  $\pm 2.5$  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.



**For additional information please contact:**

**USA:** Vectron International · 166 Glover Avenue, Norwalk, CT 06856-5160  
Tel: 1-88-VECTRON-1 · Fax: 1-888-FAX-VECTRON · Email: [vectron@vectron.com](mailto:vectron@vectron.com)

**EUROPE:** In Denmark, Finland, Ireland, Italy, Israel, Norway, Spain, UK:  
Tel: 44(0) 23 8076 6288 · Fax: 44(0) 23 8076 6822  
In Austria, Belgium, France, Germany, Luxemborg, Netherlands, Sweden, Switzerland:  
Tel: 49(0) 72 63 648 0 · Fax: 49(0) 72 63 619 6

**ASIA:** In China, Taiwan, Japan:  
Tel: 1-603-598-0070 · Fax: 1-603-598-0075  
In Korea, Singapore, Australia, India:  
Tel: 1-203-853-4433 · Fax: 1-203-849-1423

[ [Vectron Home](#) ]  
[ [About](#) | [What's New](#) | [Products](#) | [App Notes](#) | [Contact](#) | [Jobs](#) ]  
[ [VCXO](#) | [TCXO](#) | [OCXO](#) | [EX](#) | [CDR](#) | [Optical](#) | [XTAL](#) | [SAW](#) | [XO](#) ]

Copyright © 1997-2002 by Vectron International.



The most recent change to this page occurred 01/08/2002