



[About Vectron](#)[What's New](#)[Vectron Products](#)[App Notes](#)[Contact Vectron](#)[Jobs @ VI](#)

[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 -30°C to +70°C 3 = ±3.5 PPM 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.

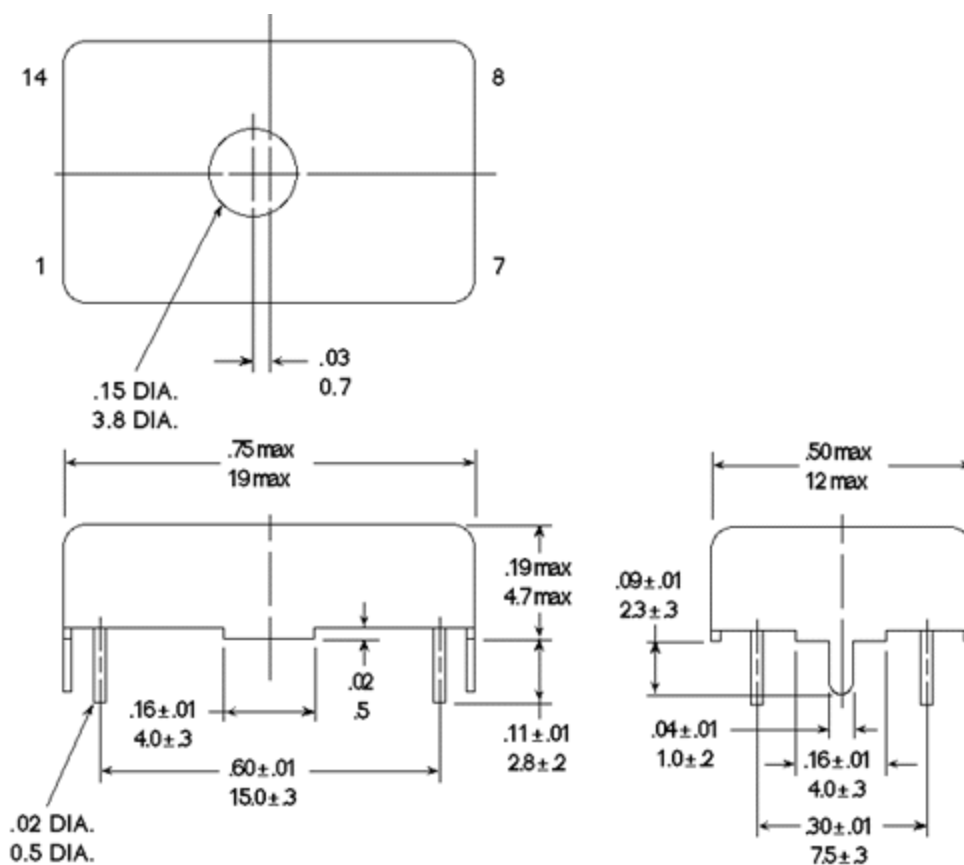
Load	2 TTL	2 TTL
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Optional Voltage Control

0 No VCO Option

1 ± 3.0 PPM Min. $2.5V \pm 1.5V^*$ 2 ± 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 ± 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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