



North Industrial Area P.O.Box 268 Or-Aqiva 30600 **ISRAEL**

Tel: + 972 (0) 462 63891 Fax: + 972 (0) 4626 3715

E-mail: rfq@time.co.il URL: http://www.time.co.il

**DIL Compatible & SMD TCXO's / VCTCXO's**

MODEL	TC1	TC31	TC7	TC37	TV1	TV31	TV7	TV37
FREQ' RANGE	9.60 to 40.00 MHz							
FREQ' STABILITY VS. TEMPERATURE	See "How - To - Order" instructions (Typical: $\pm 2.5$ PPM)							
CALIBRATION TOLERANCE AT +25° C	See "How - To - Order" instructions (Typical: $\pm 1.5$ PPM)							
FREQ' STABILITY VS. SUPPLY VARIATIONS	$\pm 0.3$ PPM							
FREQ' STABILITY VS. LOAD VARIATIONS	$\pm 0.3$ PPM							
AGING	$\pm 1$ PPM Max. for the first year							
OPERATING TEMP' RANGE	See "How - To - Order" instructions 10°C to +70°C or -30°C to +75°C							
OUTPUT WAVEFORM	See "How - To - Order" instructions							
START UP TIME	10 mSec Max.							
LOAD	15 pF							
SUPPLY VOLTAGE	+5.0 Vdc $\pm 5\%$	+3.0 Vdc	+5.0 Vdc $\pm 5\%$	+3.0 Vdc	+5.0 Vdc $\pm 5\%$	+3.0 Vdc	+5.0 Vdc $\pm 5\%$	+3.0 Vdc
SUPPLY CURRENT	20 mA Max. for square wave 3mA for clipped Sine Wave							
ADJUSTABLE FREQ' RANGE	N/A	$\pm 3.0$ PPM Min. by internal trimmer			N/A	$\pm 3.0$ PPM Min. by internal trimmer		
<b>VCO CHARACTERISTICS</b>								
VCO VOLTAGE					2.5V $\pm 2.0V$	1.65V $\pm 1.5V$	2.5V $\pm 2.0V$	1.65V $\pm 1.5V$
VCO LOAD IMPEDANCE					100 KW Min.			
FREQUENCY PULLING RANGE					$\pm 6$ PPM Min.			
SLOPE					Positive			
PACKAGE	DIP-4 4 pins	12.3 X 18.5 X 5 mm.			DIP-4 4 pins	12.3 X 18.5 X 5 mm.		

## environmental Conditions

### SHOCK

Random drop on hard wooden floor, 10 times from height of 30cm

### VIBRATION

Frequency: 10-55 Hz, Amplitude: 2.0 mm, Test time: 2 hours/ XYZ Axis

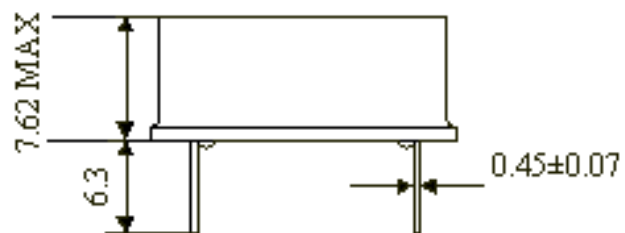
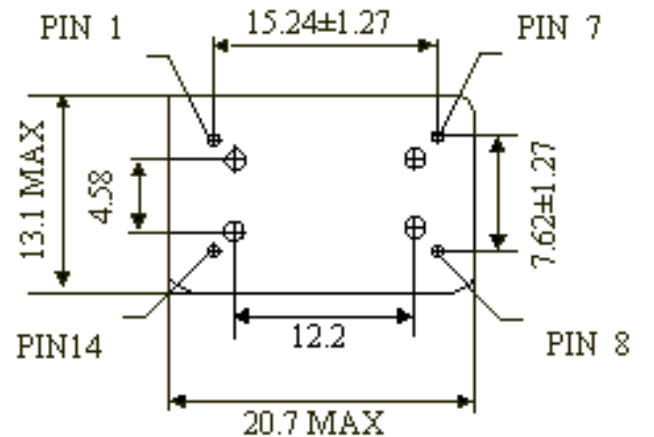
### THERMAL SHOCK

IEC 68-2-14 (Test Na), 30 min. in each extreme temperature

## TC1,TC31, TV1,TV31

Pin	Function
1	V Control
7	GND
8	Output
14	Vcc

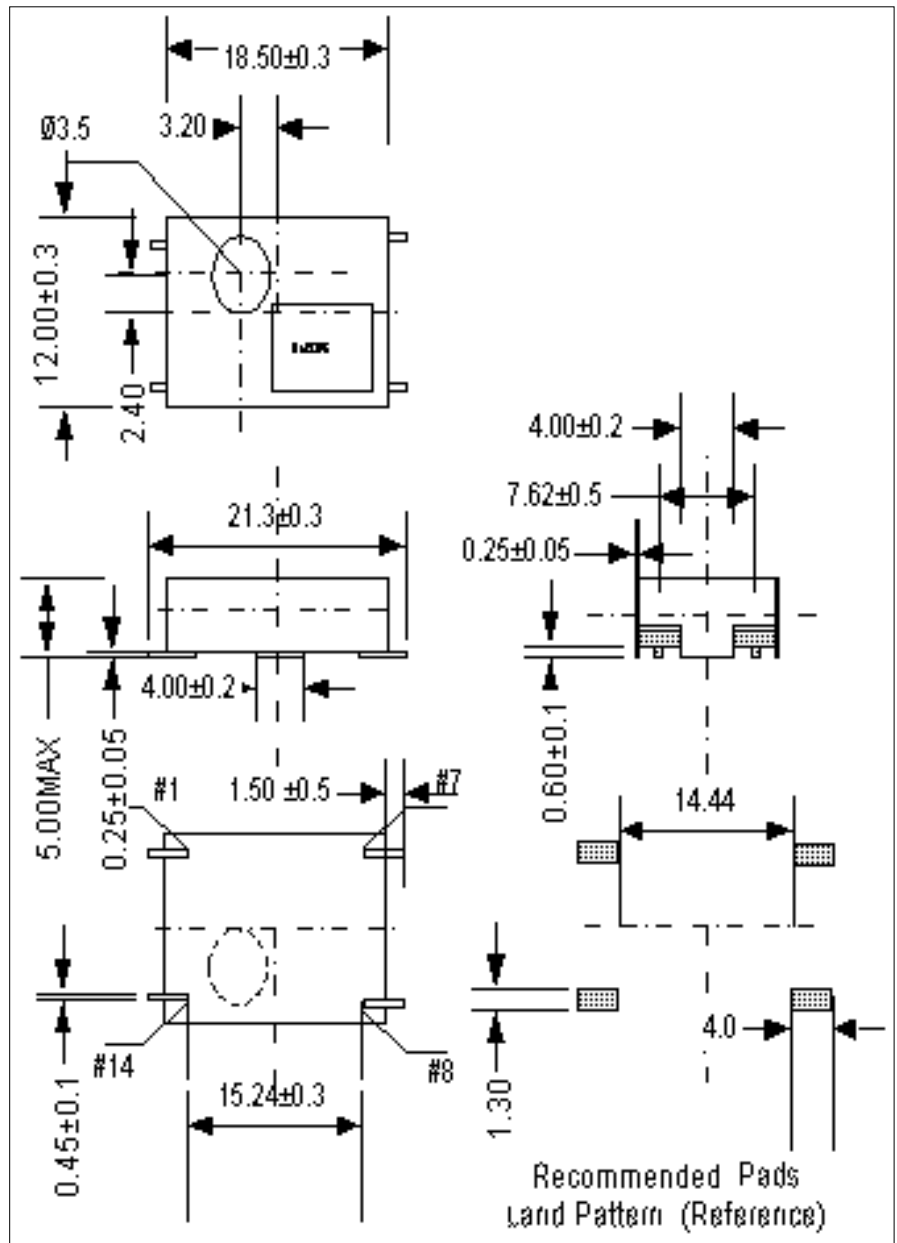
Dimensions in mm.



**TC7,TC37,TV7,TV37**

Pin	Function
1	N/C
7	GND
8	Output
14	Vcc

Dimensions in mm.



[DIL Compatible & SMD TCXO's / VCTCXO's](#)

[to top](#)