

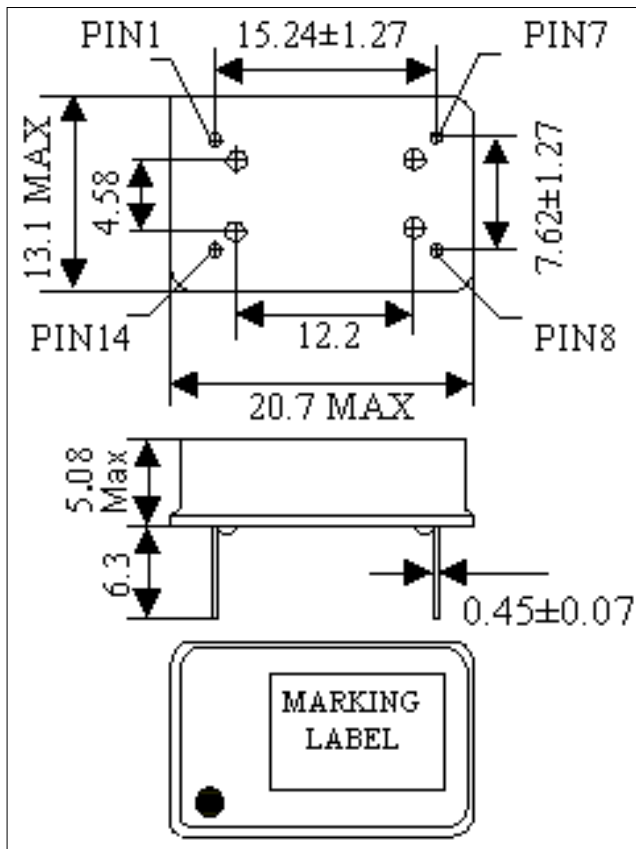


Dual in line VCXO's

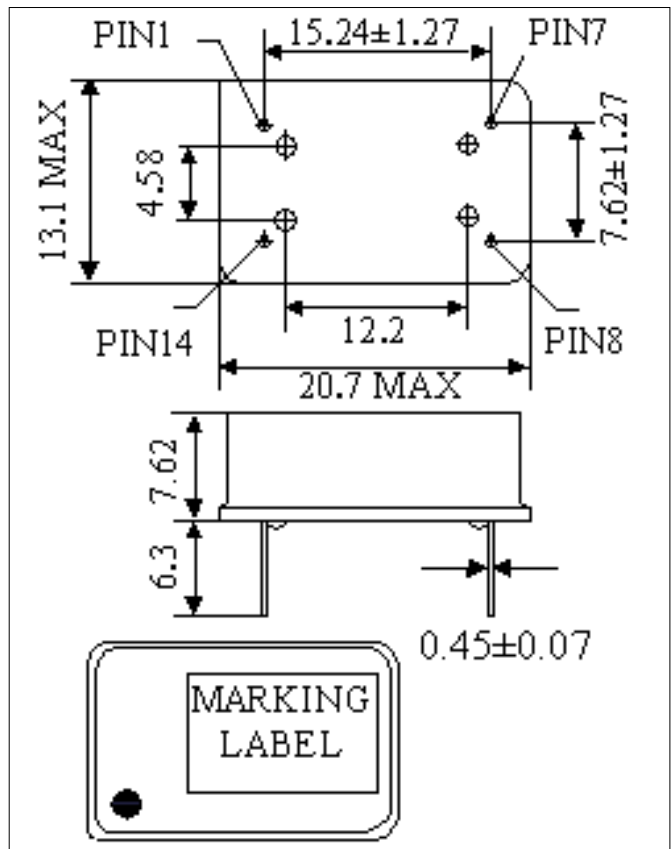
MODEL	V1	V8 , V20	V9	V22
FREQ' RANGE	10.00 to 80.00 MHz	1.00 to 200.00 MHz	300.00 to 750.00 MHz	
FREQ' STABILITY VS. TEMP'	See "How - To - Order" instructions			
CALIBRATION AT 25°C & NOMINAL VC	Typical: ± 25 PPM Best: ± 15 PPM	Typical: ± 25 PPM Best: ± 5 PPM		
FREQ' STABILITY VS. SUPPLY VARIATION ($\pm 5\%$)	Typical: ± 5 PPM Best: ± 3 PPM	Typical: ± 3 PPM Best: ± 1 PPM		
FREQ' STABILITY VS. LOAD VARIATION ($\pm 10\%$)	Typical: ± 3 PPM	Typical: ± 3 PPM Best: ± 1 PPM		
AGING	± 2 PPM Max. first year	± 1 PPM Max. per year		
OUTPUT WAVEFORM	See "How - To - Order" instructions Symmetry: ($50 \pm 10\%$) or ($50 \pm 5\%$)			
	HCMOS, TTL, Clipped Sine Wave	All options	All options except Sine Wave	
LOAD	10 Gates for logic output 20K Ω // 10 pF for clipped Sinewave 50 Ω to -2V for ECL 50 Ω to +3V for PECL 50 Ω for Sine Wave			
SUPPLY VOLTAGE	+ 5.0 Vdc $\pm 5\%$ for HCMOS, TTL, PECL, and Sine Wave -5.2 $\pm 5\%$ Vdc for ECL		+ 3.3 Vdc $\pm 5\%$	
SUPPLY CURRENT	35 mA Max. for frequencies between 10.000 to 25.000 MHz 60 mA Max. for other frequencies			
FREQ' DEVIATION RANGE	See "How - To - Order" instructions			
NOMINAL CONTROL VOLTAGE	+2.5V for +5.0V -2.5V for -5.2V		+ 1.65V	
CONTROL VOLTAGE RANGE	+0.5 to +4.5V for +5.0V -0.5 to -4.5V for -5.2V		0.3 to +3.0V	
LINEARITY	$\pm 10\%$ Max. Tighter linearity is possible			
SLOPE	Positive			
MODULATION FREQUENCY	10 KHz (3 dB)			
INPUT IMPEDANCE	50 K Ω Min.			
PACKAGE	DIP-14, 4 pins 20.7 X 13.1 X 5.0 mm.	20.7 X 13.1 X 7.62 mm.	DIP-14, 5 pins 20.7 X 13.1 X 7.62 mm. Gull Wing	DIP-14, 5 pins 20.7 X 13.1 X 7.62 mm.

Environmental Conditions
SHOCK
IEC 68-2-27 (Test Ea) 30G, 18 mSec, Half Sine
VIBRATION
IEC 68-2-6 (Test Fc), 0.35mm, 5G, 10-2000Hz, 6 cycles/ axis
THERMAL SHOCK
IEC 68-2-14 (Test Na), 30 min. in each extreme temperature
SOLDERING HEAT
IEC 68-2-20A 230°C ±5°C for 10 Sec.

V1



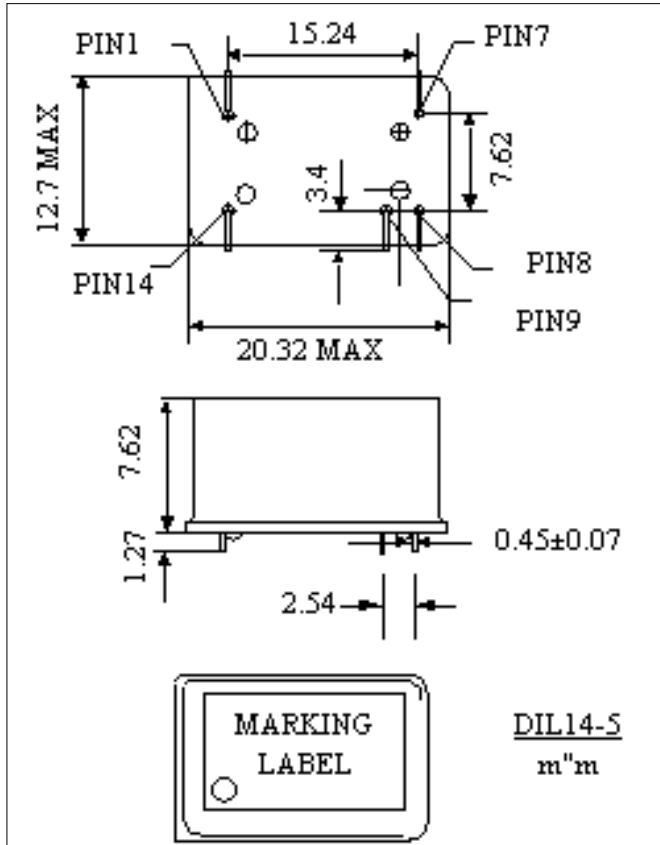
V8, V20



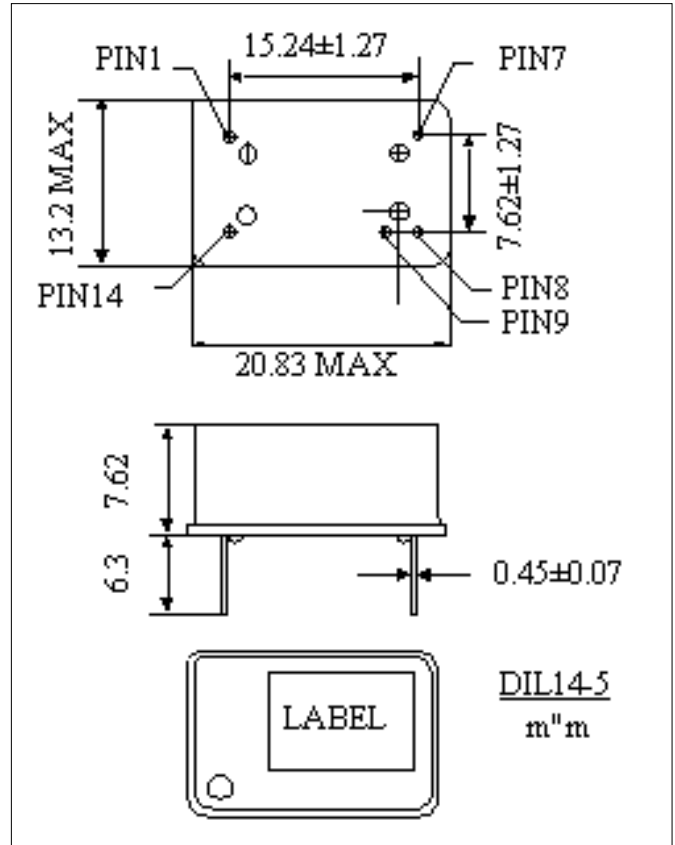
Pin	Function
1	V control
7	GND
8	Output
14	Vcc

Dimensions in mm.

V9



V22



Pin	Function
1	V control
7	GND/CASE
8	Output +
9	Output -
14	Vcc

Dimensions in mm.

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