



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

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SMD Packages OCXO's

MODEL	OV81	OV82
FREQ' RANGE	10.00 to 100.00 MHz	
CRYSTAL CUT	SC	AT
LONG TERM STABILITY (AGING)	± 1 PPB Max. per day ± 100 PPB Max. per year	± 3 PPB Max. per day ± 500 PPB Max. per year
FREQ' STABILITY VS. TEMPERATURE	See "How - To - Order" instructions	
	Typical: ±0.2 PPM Best: ±0.05 PPM	Typical: ±0.5 PPM Best: ±0.1 PPM
OUTPUT WAVEFORM	See "How - To - Order" instructions HCMOS, TTL, Sine Wave +3dBm Min. (Available up to +7dBm)	
LOAD	3 Gates for logic output 50Ω for sinewave output	
SUPPLY VOLTAGE	See "How - To - Order" instructions	
WARM UP TIME	Typical: To within ±0.15 PPM from final frequency in 4 min @25°C	
SUPPLY POWER (at 25°C)	3.5W for warm-up 1.5W Max. at Steady State	
FREQ' ADJUSTMENT RANGE	Typical: ±0.5 PPM Min. by external voltage	Typical: ±2.5 PPM Min. by external voltage
	Covers 15 years Aging	
CONTROL VOLTAGE RANGE	+0.5 to Vcc-0.5V	
SLOPE	Positive	
LINEARITY	± 10% Max.	
REFERENCE VOLTAGE	Per customer requirement	
PHASE NOISE	Typical Offset: -115 dBc at 10 Hz -135 dBc at 100 Hz -140 dBc at 1 KHz -150 dBc at 10 KHz -155 dBc at 100 KHz	Typical Offset: -100 dBc at 10 Hz -125 dBc at 100 Hz -135 dBc at 1 KHz -145 dBc at 10 KHz -150 dBc at 100 KHz
	Available in different performance	

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

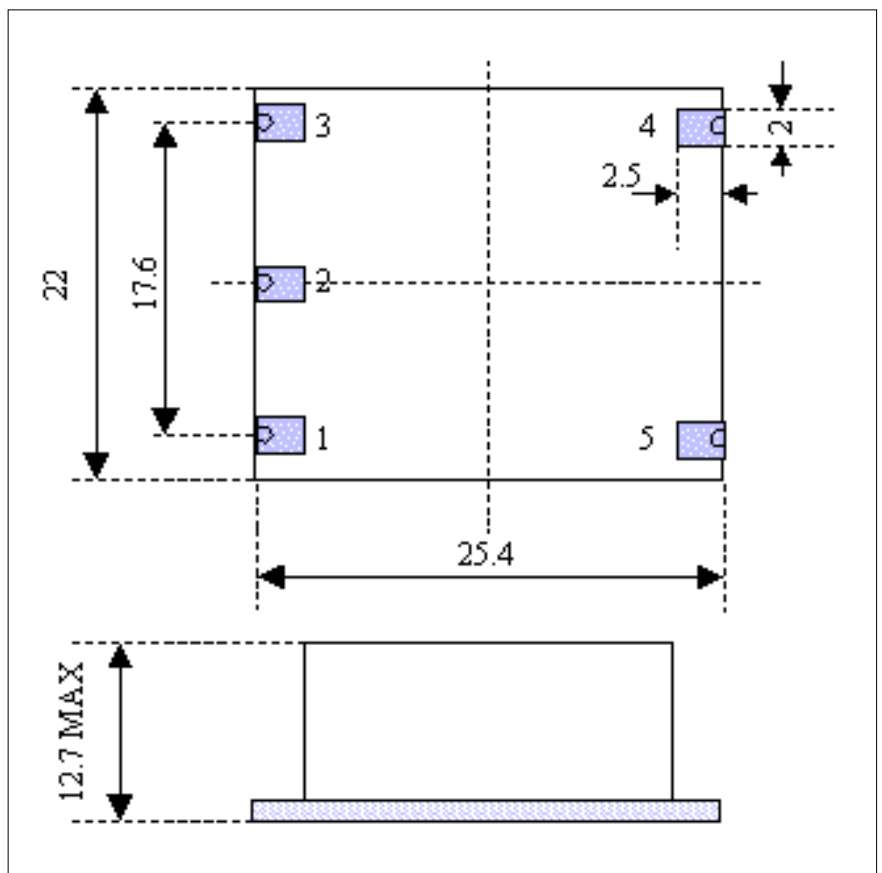
THERMAL SHOCK

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

OV81, OV82

Pin	Function
1	V control
2	Ref. Out
3	Vcc
4	RF Output
5	GND

Dimensions in mm.



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