

LEADED TYPE OVEN CONTROLLED CRYSTAL OSCILLATORS

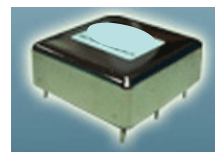
(Rohs Compliant / Lead Free)

OCXO 50.8x50.8mm (AP-OCXO50L Series)

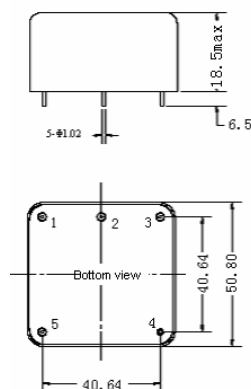
APX - Crystal

- SPECIFICATIONS

	SC CUT CRYSTAL		
FREQUENCY RANGE	0.625MHz TO 160MHz		
FREQUENCY STABILITY	±1x10 ⁻⁸	±5x10 ⁻⁹	±1x10 ⁻⁹ , ±3x10 ⁻⁹
OPERATING TEMPERATURE	-40℃ TO +80℃	-20℃ TO +70℃	0℃ TO +70℃
STORAGE TEMPURTE RANGE	1E-11 / sec		5E-12 / sec
OUTPUT WAVEFORM	HCMOS / TTL / Sine 0 to +7dBm (Low voltage CMOS Available)		
RISE AND FALL TIME	6nS MAX. (HCMOS, 10%~90%V out, 90%~10%V out)		
FREQUENCY STABILITY VS LOAD CHANGES	±1ppm Max for ±5% change		
FREQUENCY STABILITY VS SUPPLY CHANGES	±0.5ppm Max for ±5% change		
FREQUENCY STABILITY VS AGING	±0.05PPM/YEAR MAX, ±0.03PPM/YEAR MAX.		
SUPPLY VOLTAGE, NOM.	15V, 12V, 5V (OPTIONAL)		
POWER DISSIPATION STEADY STATE	2.5W MAX.		
HEAT UP POWER	5W MAX.		
HEAT UP TIME	7MIN. MAX.		
DUTY CYCLE	40% ~ 60% (HCMOS)		
PHASE NOISE	OFFSET	PHASE NOISE	
	10Hz	-120dBc/Hz	
	100Hz	-140dBc/Hz	
	1000Hz	-150dBc/Hz	
	10000Hz	-155dBc/Hz	
PULLING	N: No frequency adjustment D: Frequency adjustment ±0.5ppm (TYPICAL)		



- OUTLINE DIMENSIONS

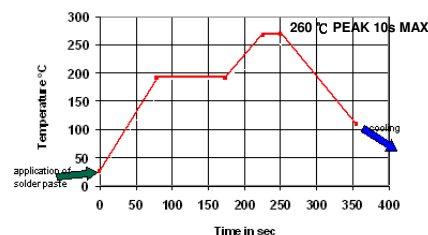


Pin Connections

1	VC/NC
2	Vref / NC
3	OUTPUT
4	GND
5	VCC

Unit: mm

- SOLDER REFLOW PROFILE



ORDERING CODE SYSTEM (VERSION 1.1 UPDATED MAY 2008)				EXAMPLE:
SERIES	STABILITY	FREQUENCY	INPUT VOLTAGE	AP-OCXO50L1-160-5
AP-OCXO50L	1: $\pm 1 \times 10^{-9}$, 10^{-8} 3: $\pm 3 \times 10^{-9}$ 5: $\pm 5 \times 10^{-9}$	IN MHZ	5	

NON STANDARD FREQUENCIES AND SPECIFICATIONS ARE AVAILABLE ON REQUEST

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Specifications are subject to change without notice