

SURFACE MOUNT VOLTAGE-CONTROLLED CRYSTAL OSCILLATORS
(Rohs Compliant / Lead Free)

VCXO 7x5mm (AP-VCXO75P Series) PECL



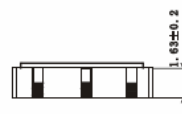
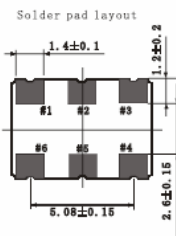
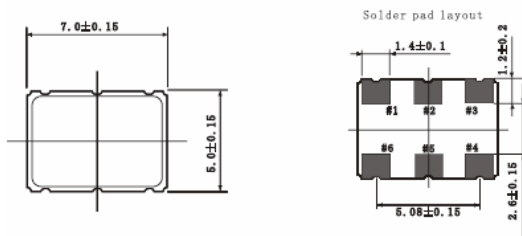
- SPECIFICATIONS

FREQUENCY RANGE		1.544MHz TO 700MHz (DIVIDE, MULTI)	
FREQUENCY STABILITY		±20PPM, ±25PPM, ±50PPM, ±100PPM	
TEMPERATURE RANGE	OPERATING	0°C TO +70°C STANDARD -40°C TO +85°C EXTENDED	
	STORAGE	-55°C TO +85°C	
INPUT	VOLTAGE	+3.3VDC ±5%	
CURRENT CONSUMPTION		75mA Max.	
OUTPUT	LOAD	50Ω	
	LEVEL	PECL	
	DUTY	50% ±5% Max. (50% of Waveform)	
	VOLTAGE	"0" Level	Vo1: -1.620 Vcc Max.
		"1" Level	Voh: -1.025 Vcc Min.
	RISE/FALL TIME	1nS Max. (20%-80% of Waveform)	
START UP TIME	10mS Max.		
PHASE JITTER RMS		3.5ps Max @12KHz to 20MHz	
PULL CHARACTERISTIC CONTROL	PULLABILITY	VC=0.3V to 3.0V @0.3V steps 50ppm/V Min, 100ppm/V Max, Vfo=1.65±0.25VDC	
	CONTROL VOLTAGE	Vc=1.65+1.65V	



* Vfo is the control voltage at which the output frequency is equal to the nominal frequency Fo @25°C ± 1°C

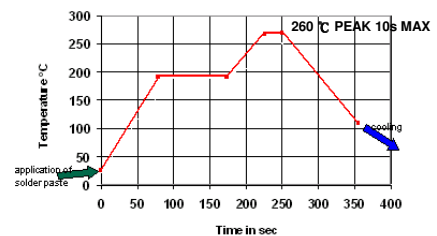
- OUTLINE DIMENSIONS



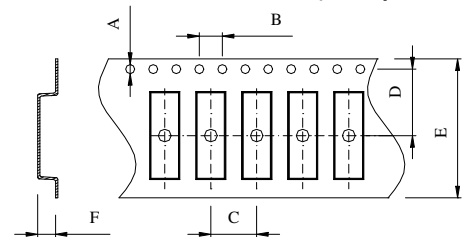
PIN NO	CONNECTION
#1	+Vcont
#2	NC&E/D
#3	GND
#4	OUT
#5	COMP
#6	+Vcc

Unit: mm

- SOLDER REFLOW PROFILE



- CARRIER TAPE DIMENSIONS (1,000 pcs/reel)



A	B	C	D	E	F
1.5±0.1	4.0±0.1	8.0±0.1	7.5±0.1	16.0±0.3	2.0±0.1

ORDERING CODE SYSTEM (VERSION 1.1 UPDATED MAY 2008)				EXAMPLE:
SERIES	STABILITY	FREQUENCY	INPUT VOLTAGE	AP-VCXO75PE-1.544-3.3
AP-VCXO75P	D ±20PPM E: ±25PPM J: ±50PPM P: ±100PPM	IN MHZ	3.3	

NON STANDARD FREQUENCIES AND SPECIFICATIONS ARE AVAILABLE ON REQUEST

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Specifications are subject to change without notice