

SURFACE MOUNT VOLTAGE-CONTROLLED CRYSTAL OSCILLATORS
 (Rohs Compliant / Lead Free)
VCXO 7x5mm (AP-VCXO75 Series)



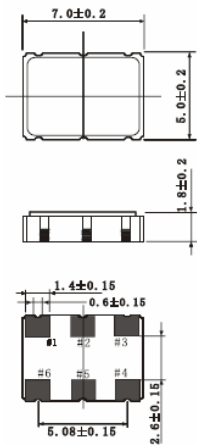
- SPECIFICATIONS

FREQUENCY RANGE		2MHz TO 55MHz	
STANDARD FREQUENCY		16.384, 24.576, 27, 32.768, 35.328, 44.736MHz	
FREQUENCY STABILITY		±30PPM, ±50PPM	
TEMPERATURE RANGE	OPERATING	-20°C TO +70°C	
	STORAGE	-40°C TO +85°C	
AGING (+25°C)		±5PPM/YEAR MAX.	
INPUT	VOLTAGE	+3.3VDC ±5%, +5VDC ±5%	
CURRENT CONSUMPTION		20mA Max.	
OUTPUT	LOAD	15pF	
	LEVEL	CMOS	
	DUTY	45% TO 55% @1/2Vcc	
	VOLTAGE	"0" Level	Vo1: 0.1Vcc Max.
		"1" Level	Voh: 0.9Vcc Min.
	RISE/FALL TIME	10nS Max. @ 10% ~ 90%Vcc	
PHASE NOISE (@1.0KHz) [dBc/Hz]	-130dBc/Hz Typ.*		
PERIOD JITTER RMS		6ps Max.	
PHASE JITTER RMS		1ps Max Fj=12K ~ 20MHz	
PULL CHARACTERISTIC CONTROL	PULLABILITY	±100PPM MIN.	
	CONTROL VOLTAGE	+2.5V±2V, +1.65V±1.5V	



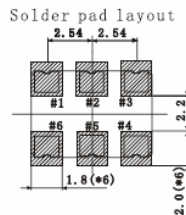
* Performance vary based on different specification.

- OUTLINE DIMENSIONS



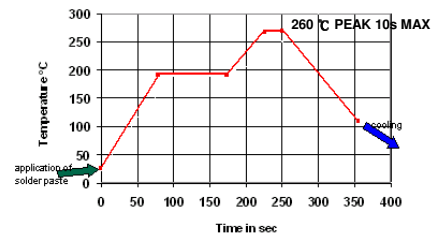
PIN NO	CONNECTION
# 1	+Vcont
# 2	INH
# 3	GND
# 4	OUTPUT
# 5	INH
# 6	+Vcc

Example terminal Land Patten

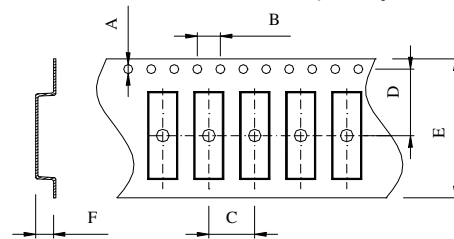


Unit: mm

- 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-VCXO75F-55-3.3
AP-VCXO75	F: ±30PPM J: ±50PPM	IN MHZ	3.3	

NON STANDARD FREQUENCIES AND SPECIFICATIONS ARE AVAILABLE ON REQUEST

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Specifications are subject to change without notice