

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

VCXO 5x3.2mm (AP-VCXO53 Series)

APX - Crystal

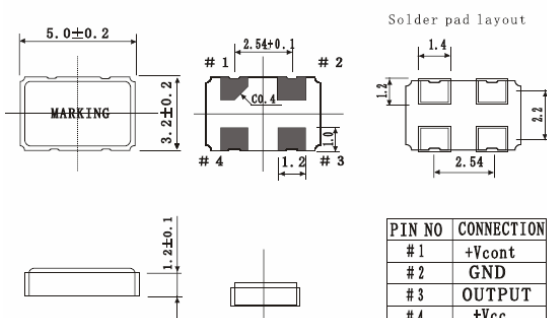
- SPECIFICATIONS

FREQUENCY RANGE		2MHz TO 50MHz
STANDARD FREQUENCY		27, 35.328MHz
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	±90PPM MIN.
	CONTROL VOLTAGE	+2.5V±2V, +1.65V±1.5V

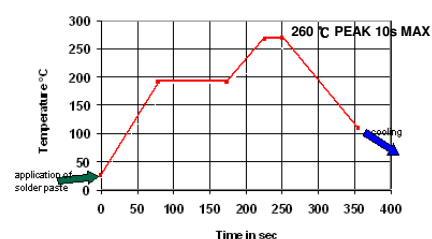


* Performance vary based on different specification

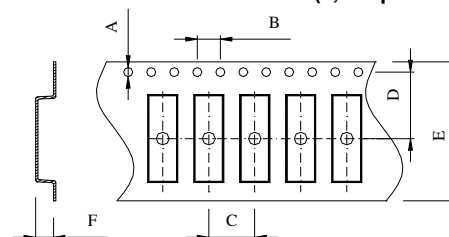
- OUTLINE DIMENSIONS



- 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	5.5±0.1	12.0±0.3	1.5±0.1

ORDERING CODE SYSTEM (VERSION 1.1 UPDATED MAY 2008)				EXAMPLE:
SERIES	STABILITY	FREQUENCY	INPUT VOLTAGE	AP-VCXO53F-50-3.3
AP-VCXO53	F: ±30PPM J: ±50PPM	IN MHZ	3.3	

NON STANDARD FREQUENCIES AND SPECIFICATIONS ARE AVAILABLE ON REQUEST

ActPro Ltd. (APX-Crystal)
PROREP
EDGE Meditronics PTE Ltd.

HONG KONG
FRANCE
SINGAPORE

Email: sales@apx-crystal.com
Email: sales@prorep.fr
Email: sales@edgemeditronics.com.sg

Internet: www.apx-crystal.com
Internet: www.prorep.fr
Internet: www.edgemeditronics.com.sg

Tel: 852-3625 2368 Fax: 852-2633 8503
Tel: 33-1-4812 1736 Fax: 33-1-4812 1739
Tel: 65-6455 0521 Fax: 65-6455 0857

Specifications are subject to change without notice