

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

TCXO 5x3.2mm (AP-TCXO53 Series)

APX - Crystal

- SPECIFICATIONS

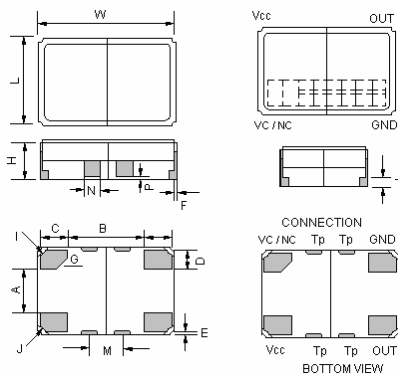
FREQUENCY RANGE		10MHz TO 40MHz	
STANDARD FREQUENCY		10, 12.8, 13, 19.2, 20, 26, 40MHz	
FREQUENCY STABILITY	TEMPERATURE	±2.5PPM	±1PPM
	SUPPLY VOLTAGE	±0.2PPM(Vcc±5%)	
	AGING (+25°C)	±1PPM/YEAR MAX.	
TEMPERATURE RANGE	OPERATING	-40°C TO +85°C,	-30°C TO +70°C
	STORAGE	-40°C TO +85°C	
POWER SUPPLY VOLTAGE (VCD)		+2.7V TO +5.25V	
CURRENT CONSUMPTION		2mA Max. (Load)	
OUTPUT	LOAD	10k / 10pF	
	LEVEL	0.8Vp-p Min.	
	WAVEFORM	Clipped Sine Wave	
	PHASE NOISE (@1.0KHz) [dBc/Hz]**	-130dBc / Hz Typ.(@1.0KHz)	
EXTERNAL CONTROL FUNCTION	FREQUENCY TUNING RANGE	N/±8PPM MIN. (POSITIVE)	
	EXTERNAL CONTROL VOLTAGE	N/+1.5V±1V	



• Do not clean this TCXO by ultrasonic wave or liquid.

* Performance vary based on different specification.

- OUTLINE DIMENSIONS

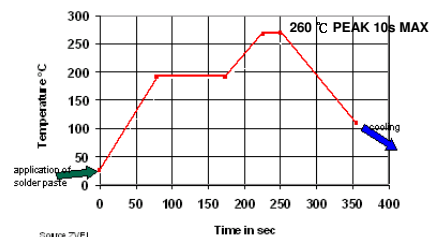


Material: Ceramic base,
Au coated nickel terminal,
Fe-Ni-Co lid.

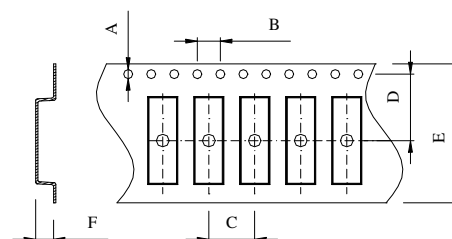
DIM	MIN	TYP	MAX	DIM	MIN	TYP	MAX
W	4.80	5.00	5.20	G	C0.20	C0.40	C0.60
L	3.00	3.20	3.40	I	R0.05	R0.15	R0.30
H	1.20	1.35	1.50	J	R0.20	R0.30	R0.40
A	1.40	1.60	1.80	K	0.00	0.10	0.20
B	2.70	2.80	2.90	M	1.00	1.20	1.40
C	0.90	1.00	1.10	N	0.40	0.60	0.80
D	0.60	0.70	0.80	P	0.08	0.10	0.12
E	0.00	0.10	0.20	Q	0.44	0.50	0.56
F	0.00	0.10	0.20	T	0.25	0.30	0.35

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	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-TCXO531-10-2.7
AP-TCXO53	25: ±2.5PPM 1: ±1PPM	IN MHZ	2.7	

NON STANDARD FREQUENCIES AND SPECIFICATIONS ARE AVAILABLE ON REQUEST

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Specifications are subject to change without notice