



Oscillator - (VC)TCXO - SMD 7050

SMD Type (VC)TCXO - 7.0 x 5.0 x 2.0mm

● Features

- High performance
- Low power
- RoHS compliant

● General Specification

Type	SMD 7.0 x 5.0	
Frequency Range	10.00MHz to 26.00MHz	
Frequency Stability	at 25 °C	±0.5ppm max
	vs Temperature	± 1.0ppm (0 to +50 °C)
		± 1.5ppm (-10 to +60 °C)
		± 2.0ppm (-20 to +70 °C)
		± 2.5ppm (-30 to +75 °C)
		± 5.0ppm (-40 to +85 °C)
	Aging first year	± 1.0ppm max
	vs Load Change of ±10%	± 0.2ppm
vs Supply Voltage Change of ±5%	± 0.2ppm	
Temperature	Operating	0 to +50 °C
	Storage	-40 to + 85 °C
Input	Supply Voltage	2.8V to 5.0V
	Current Consumption	2.5mA max
Output	Waveform	Clipping Sine
	Load	10kΩ / 10pF
	Level	>0.8Vp-p
External Control Function	External Tuning Range	± 8.0ppm min
	External Tuning Voltage	1.5V ± 1.0V
Start-up Time max	3mS	
Phase Noise	at 100Hz	-115 dBc/Hz
	at 1KHz	-135 dBc/Hz
	at 10KHz	-148dBz/Hz

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● Frequency Stability Codes (ppm)

A = ± 1.0	B = ± 1.5	C = ± 2.0	D = ± 2.5	E = ± 3.0	F = ± 4.0
G = ± 5.0	H = ± 0.5				

● Operating Temperature Codes (°C)

A = 0 to +50	B = 0 to +70	C = -20 to +70	D = -30 to +75	E = -40 to +85	F = +10 to +70
G = -40 to +60	H = -30 to +80	I = -10 to +40	J = -40 to +70	K = -10 to +60	L = -30 to +70

● Marking

Frequency + TC(Holder: TCXO) + Date code (Year Code + Month Code)

NEWXTAL (Company brand)

Year Code:

2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	4	5	6	7	8	9	10	11	12

Month Code:

Jan	Feb	March	Apr	May	June	July	August	September	October	Nov	December
A	B	C	D	E	F	G	H	I	J	K	L

For Example:



● Ordering Information

Holder	Type	SMD Size	Stability	Temperature	Input Voltage	Output Waveform	Frequency	Lead-free	Packing
			(ppm)	(°C)	(V)				
TC= TCXO VT= VC(TCXO)	S=SMD	1=7.0x5.0	See tables		1=3.3 2=5.0 3=3.0 4=2.8	0 = Clipping Sine	xx.xxM	LF=leadfree	TR=tape & reel
			± 1.0	0 to +50					
TC	S	1	A	A	2	0		LF	TR

For Example: TCS1AA20-10.000MLF/TR

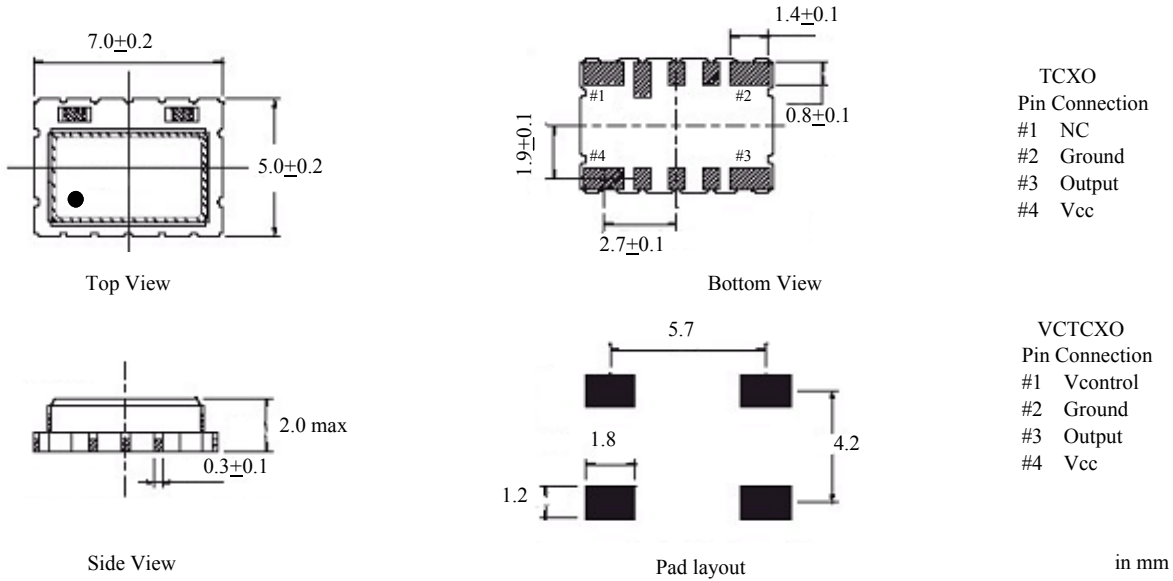
NEWXTAL

Website: www.newxtal.com

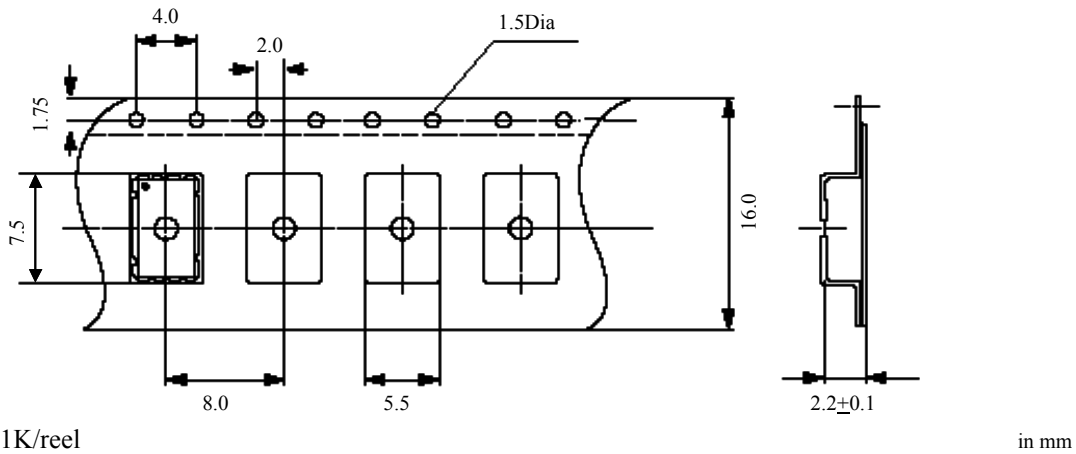
Email: hkcrystal@incnets.com

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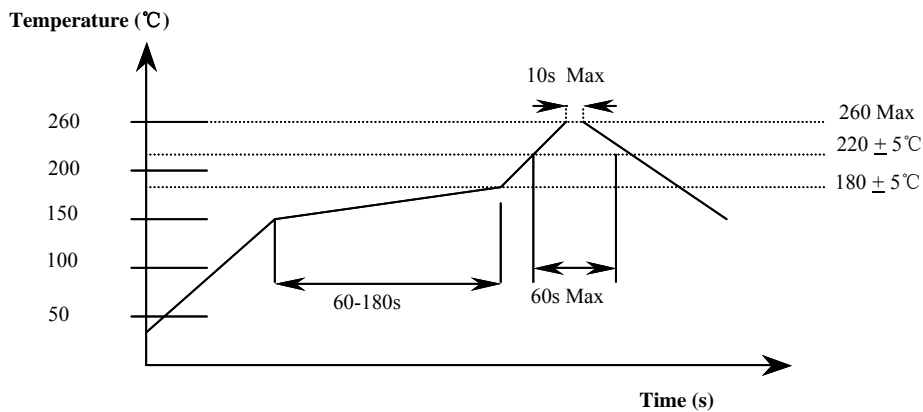
Dimensions



Taping Specification



Reflow Soldering Profile



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