



Oscillator - VCXO - SMD 7050

SMD Type VCXO - 7.0 x 5.0 x 1.8mm

● Features

- High performance
- Low cost
- RoHS compliant

● General Specification

Type	SMD 7.0 x 5.0			
Frequency Range	8.000MHz to 50.00MHz			
Frequency Stability (Overall)	$\pm 25\text{ppm}$ to $\pm 50\text{ppm}$			
Input	Current Consumption	50mA	35mA	
	Supply Voltage VDC	5.0V $\pm 10\%$	3.3V $\pm 10\%$	
Temperature	Operating	-10 to +70°C		
	Storage	-40 to +85°C		
Output	Waveform	TTL / HCMOS	HCMOS	
	Load	10LSTTL / 15pF	15pF	
	Symmetry	40/60% / 45/55%		
	Rise Time	TR	6nS max.	
	Fall Time	TF	6nS max.	
	Current	8mA max		
	Voltage	VoH	TTL: 2.4V min / HCMOS: 0.9V min	HCMOS: 0.9V min
VoL		TTL: 0.4V max / HCMOS: 0.1V max	HCMOS: 0.1V max	
Frequency Pulling Range	$\pm 50\text{ppm}$ to $\pm 100\text{ppm}$			
Pulling Control Voltage	2.5V $\pm 2.0\text{V}$			
Pulling Linearity	<15%			
Start-Up Time	10mS max			
Enable/Disable Function (Pin 1)	Enable: Open or high Disable: GND or low			

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● Frequency Stability Codes (ppm)

1 = ± 20	2 = ± 25	3 = ± 30	4 = ± 50	5 = ± 100	7 = ± 35
8 = ± 15	a = ± 10	b = ± 70			

* Frequency stability includes stability at 25°C, operating temperature range, supply voltage range, shock and vibration and aging 1st year.

● Operating Temperature Codes (°C)

1 = 0 to +70	2 = -10 to +70	3 = -20 to +70	4 = -40 to +85	5 = -10 to +60	6 = -20 to +60
7 = 0 to +100	8 = 0 to +60	9 = -30 to +65	A = -55 to +125	B = -30 to +80	C = -10 to +50

● Pulling Range Codes (ppm)

A = ± 50	B = ± 70	C = ± 100	E = ± 60	F = ± 90	N = N/A
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● Marking

Frequency + V (Holder: VCXO) + Date code (Year Code + Month Code)

NEWXTAL (Company brand)

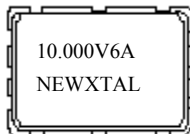
Year Code:

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	Tri-state	Symmetry	Pulling Range	Frequency	Lead-free	Packing
			(ppm)	(°C)	(V)			(ppm)			
V=VCXO	S=SMD	1=7.0x5.0	See tables		1=3.3 2=5.0	N = No T = Yes	45 = 45/55% 46 = 40/60%	See table	xx.xxM	LF=leadfree	TR=Tape & Reel
			± 50	-10 to +70				± 50			
V	S	1	4	2	1	T	45	A		LF	TR

For Example: VS1421T45A-10.000MLF/TR

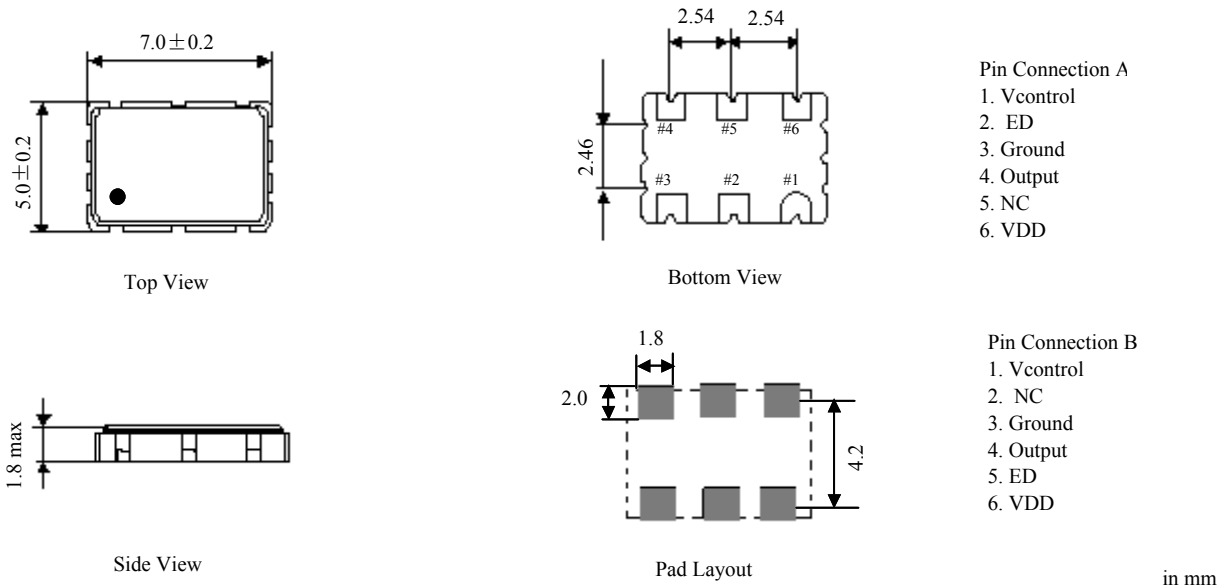
NEWXTAL

Website: www.newxtal.com

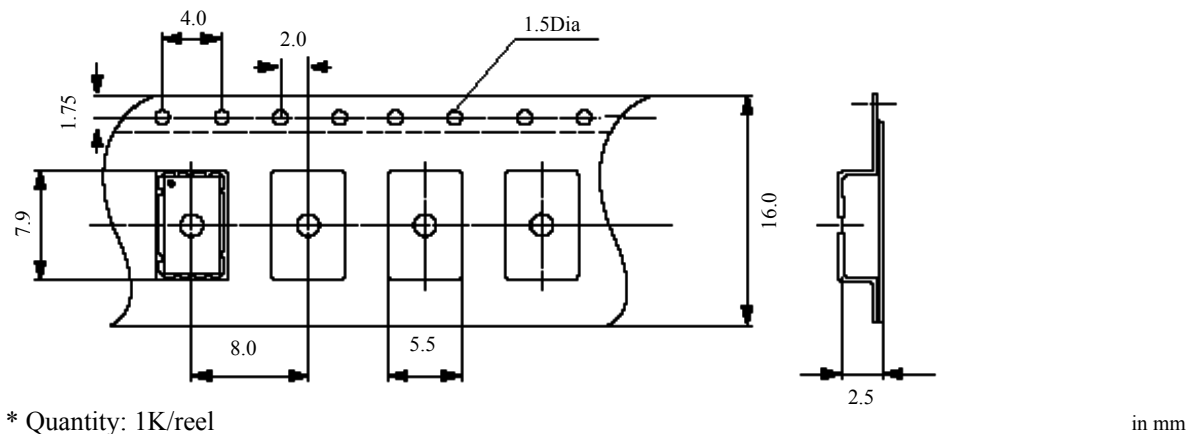
Email: hkcrystal@incnets.com

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• Dimensions



• Taping Specification



• Reflow Soldering Profile

