

Crystal Oscillator Series	Features ◆Ceramic/Metal package ◆RoHS Compliant ◆HCMOS/TTL compatible	
VCXO 5032C		

Electrical Specifications

Item		Specifications			
Type		VCXO 5032C 3.3V		VCXO 5032C 5.0V	
Nominal Frequency Range		1.000MHz to 52.000MHz			
Frequency Stability		±25ppm or ±50ppm			
Frequency Pulling Range		±50ppm to ±150ppm Vcontrol:1.65V±1.65V		±50ppm to ±150ppm Vcontrol:2.5V±2.5V	
Operating Temperature		-20℃ to +70℃(Standard), -40℃ to +85℃ available			
Storage Temperature		-55℃ to +125℃			
Supply Voltage		3.3V±10%		5.0V±10%	
Supply Current Max.		1.0 to 29.99MHz 30.0 to 52.00MHz	6mA 15mA	1.0 to 29.99MHz 30.0 to 52.00MHz	10mA 20mA
Output	Rise & Fall Time	5ns: 1.0 to 29.99MHz 4ns: 30.0 to 52.00MHz			
	Load	15pF / 5TTL			
	Current Max.	4mA		8mA	
	Low Level	V _{DC} ×0.1 Max.			
	High Level	V _{DC} ×0.9 Min.			
Symmetry at 1/2 V _{DC}		45/55% typical			
Start Up Time		<±10ns			
Aging		±1ppm/year			

Stability vs. Temperature

◆ Standard		7	5	0	8	Remarks
◇ Please specify		±25ppm	±50ppm	±100ppm	±150ppm	
C	-20℃ to +70℃	◆	◇	◇	◇	Standard
D	-40℃ to +85℃	◇	◆	◇	◇	

Ordering Information

V	C	Type	Pin	XX.XXXX	M	Freq. Pulling Range in ppm	Supply Voltage	Stability Vs.Temp.	Operating Temp.	Option
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V:Voltage 53: 5.0*3.2mm C: 6Pins Center frequency 1.0 to 52.0MHz M: MHz See Table A:3.3V B:5.0V See Table See Table F:Lead Free T:T&R Blank:Bulk

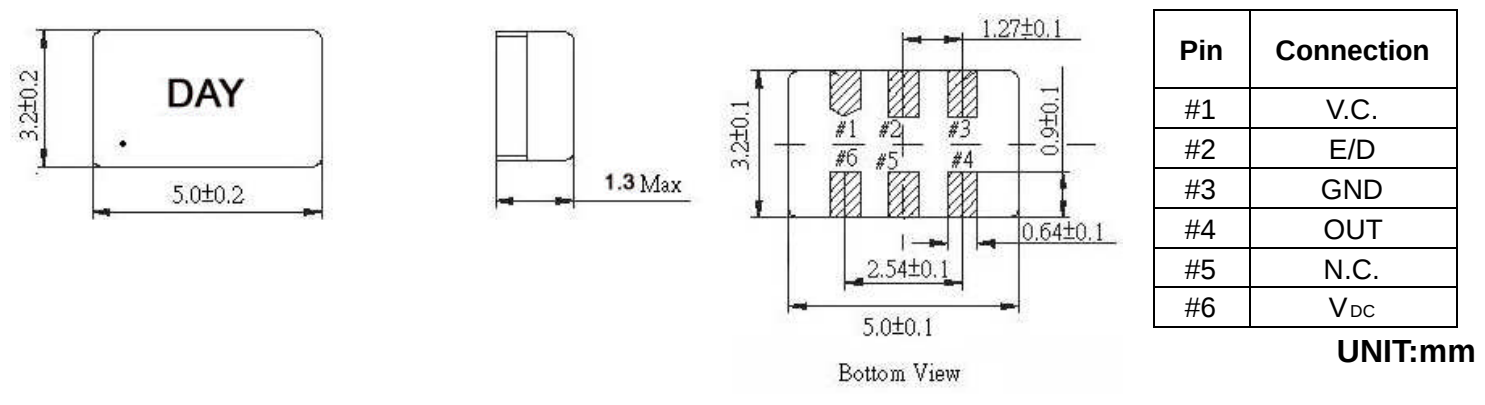
Example:VC53C25.0000M0A7CAF

(VCXO,5.0*3.2mm, 6pins ,25.0000MHz, Pulling:±/-100ppm, 3.3V, ±/-25ppm,-20 to +70deg.,T&R,Lead free)

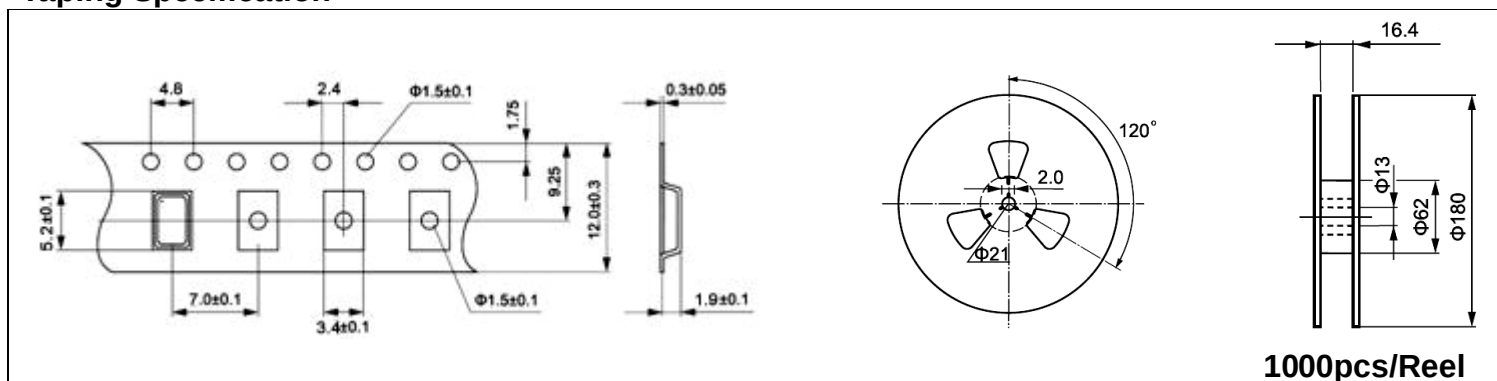
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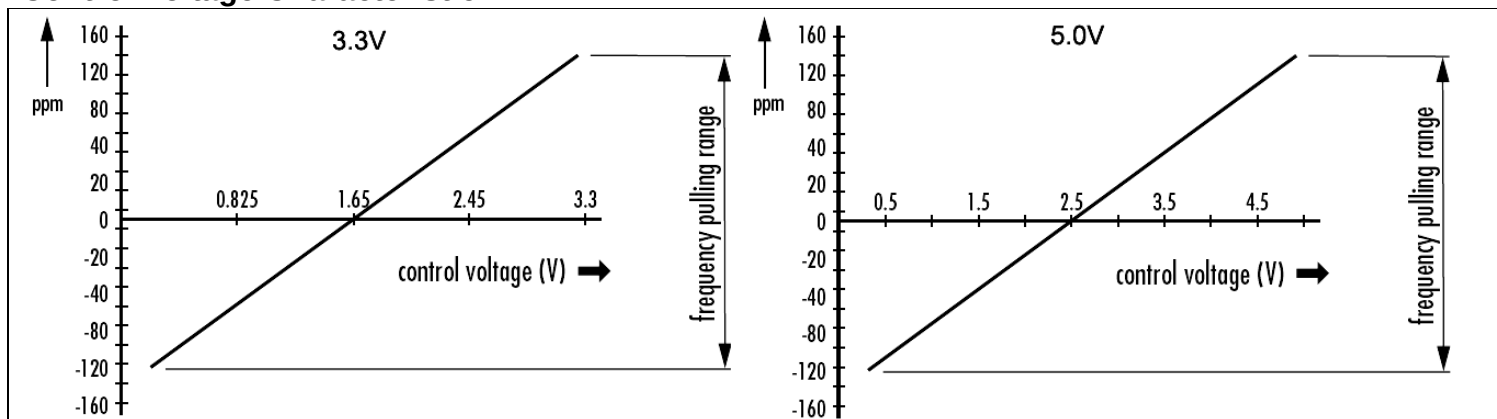
Dimensions



Taping Specification



Control Voltage Characteristic



Reflow Soldering Profile

