

Crystal Oscillator Series		Features					
VCXO DIP08 VCXO DIP14							
		◆RoHS Compliant	◆HCMOS/TT L compatible				
Electrical Specifications							
Item		Specifications					
Type		VCXO 3.3V		VCXO 5.0V			
		DIP14	DIP08	DIP14	DIP08		
Nominal Frequency Range		0.5 MHz to 200.0MHz					
Frequency Stability		±25ppm					
Frequency Pulling Range		±50ppm to ±150ppm Vcontrol:1.65V±1.65V		±50ppm to ±200ppm 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.		0.5 to 19.99MHz	10mA	1.8432 to 19.99MHz	20mA		
		20.0 to 39.99MHz	20mA	20.0 to 39.99MHz	30mA		
		40.0 to 65.99MHz	25mA	40.0 to 65.99MHz	40mA		
		66.0 to 79.99MHz	30mA	66.0 to 79.99MHz	50mA		
		80.0 to 200.0MHz	50mA	80.0 to 200.0MHz	60mA		
Output	Rise & Fall Time	6ns: 0.50 to 39.99MHz 5ns: 40.0 to 79.99MHz 4ns: 80.0 to 125.0MHz					
	Load	15pF to 30pF					
	Current Max.	8mA		16mA			
	Low Level	0.4V Max.					
	High Level	2.79V Min.		4.5V Min.			
Symmetry at 1/2 V _{DC}		45/55% typical,40/60% available					
Liniarity		<±10%					
Aging		±1ppm/year					
Stability vs. Temperature							
◆ Standard		7	5	0	8	9	Remarks
◇ Please specify		±25ppm	±50ppm	±100ppm	±150ppm	±200ppm	
C	-20℃ to +70℃	◆	◇	◇	◇	◇	Standard
D	-40℃ to +85℃	◇	◆	◇	◇	◇	

Crystal Oscillator Series

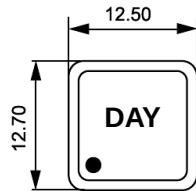
VCXO DIP08

VCXO DIP14

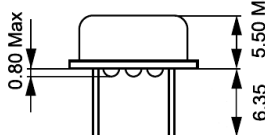
Ordering Information

V	C	Type	Pin	XX.XXXX XXX.XXX	M	Freq. Pulling Range in ppm	Supply Voltage	Stability Vs.Temp.	Operating Temp.	Symmetry At 1/2 V _{DC}	Option
V:Voltage C:Control		O8D: DIP08 14D: DIP14	Blank: 4Pins	Center frequency 0.5 to 200.0MHz	M: MHz	See Table	A:3.3V B:5.0V	See Table	See Table	1:45/55% 2:40/60%	F:Lead Free T:T&R Blank:Bulk
Example:VC14D32.7680M0A7C1F											
(VCXO,DIP14,32.768MHz,Pulling:+/-100ppm, 3.3V,+/-25ppm,-20 to +70deg.45/55%,Bulk,Lead free)											

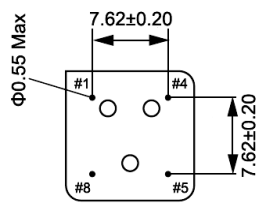
Dimensions VCXO DIP08



TOP VIEW



SIDE VIEW

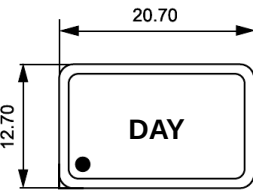


BOTTOM VIEW

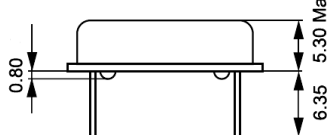
Pin	Connection
#1	V.C.
#4	GND
#5	OUTPUT
#8	V _{DC}

Unit:mm

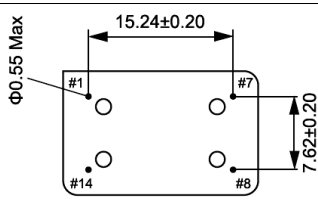
Dimensions VCXO DIP14



TOP VIEW



SIDE VIEW

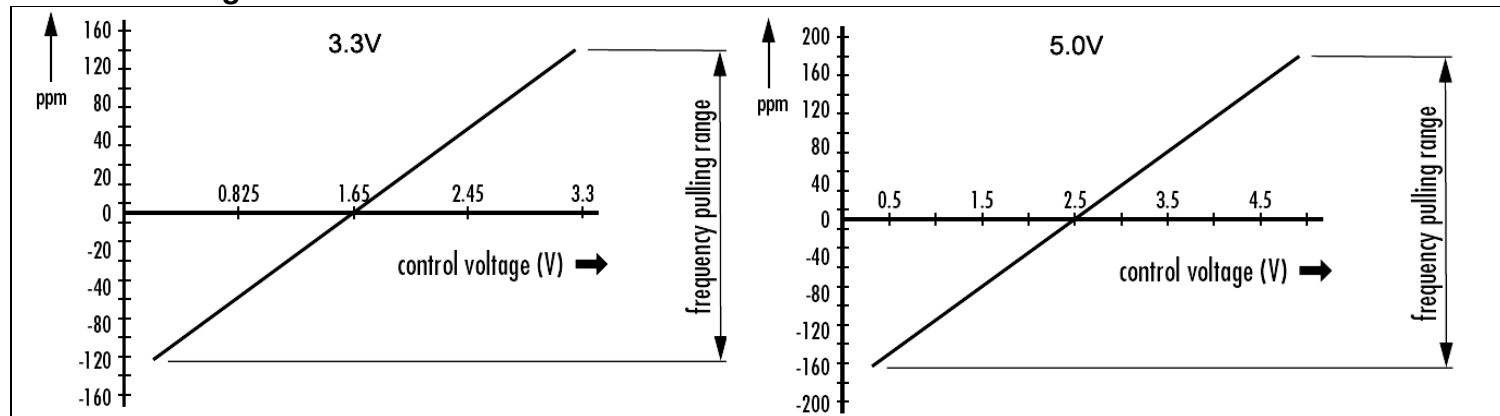


BOTTOM VIEW

Pin	Connection
#1	V.C.
#7	GND
#8	OUTPUT
#14	V _{DC}

Unit:mm

Control Voltage Characteristic



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VCXO DIP08

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Wave Soldering Profile

