

VX7-

Thru-hole VCXO
HCMOS / TTL

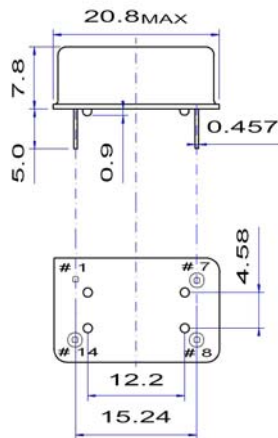
QuartzCom
the communications company



Features

- Applications: telecommunications, instrumentation, automotive
- Hermetic sealed metal package, DIL 8/4 pin
- Frequency up to 200 MHz
- High shock and vibration resistant

Parameter	Specification	
	VX7-3XXH	VX7-5XXH
Frequency range	1 ~ 200 MHz	
Standard frequencies	16.00, 16.384, 20.00, 24.576, 32.00, 40.00 & 48.0 MHz	
Supply voltage	+3.3 V \pm 5 %	+5.0 V \pm 5 %
Supply current	5 ~ 50 mA	5 ~ 40 mA
Frequency stability (*)	\pm 25 ppm \pm 50 ppm	-20 ~ +70 °C -40 ~ +85 °C
Output signal	HCMOS / TTL compatible	
Output level	$V_{OH} \geq 0.9$ Vdc $V_{OL} \leq 0.1$ Vdc	$V_{OH} \geq 0.9$ Vdc $V_{OL} \leq 0.1$ Vdc
Output load	15 pF / 10 TTL	15 ~ 50 pF / 10 TTL
Symmetry	45 ~ 55 %	@ 1/2 Vdc
Rise / fall time	3 ~ 8 ns	
	+1.65 \pm 1.35 V	+2.5 \pm 2.0 V
	\pm 50 ~ \pm 300 ppm	
Operating temperature range	-20 ~ +70 °C -40 ~ +85 °C	standard application industrial application
Storage temperature range	-55 ~ +125 °C	
Packaging units	tube	25 pieces
(*) All inclusive: frequency stability vs. temperature, tolerance, aging, supply & load variation, on request		
Customer specifications on request		



Pin function

- # 1 Vc Voltage control
- # 7 GND
- # 8 Output
- # 14 Vdc



Do not design any conductive path between the pattern

Environmental & mechanical specification

Shock
Vibration
Solder ability
Seal integrity

MIL-STD-883C, Method 2002, Con B
MIL-STD-883C, Method 2007, Con A
MIL-STD-883C, Method 2003
MIL-STD-883C, Method 2014, Con C&A2

Moister sensitivity level:

1

2002/95/EC RoHS compliant

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ISO 9001
BUREAU VERITAS
Certification

