VX7-

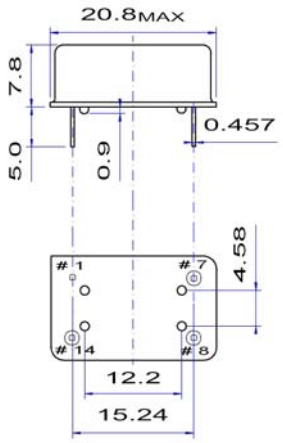
Thru-hole VCXO
HCMOS / TTL

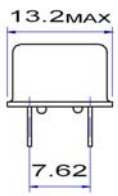
QuartzCom
the communications company

Features

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

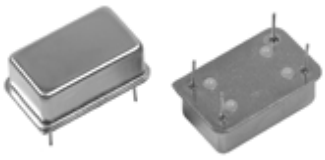
Parameter	Specification	
	VX7-3XXH	VX7-5XXH
Frequency range	1 ~ 200 MHz	
Standard frequencies	16.00, 16.384, 20.00, 24.576, 32.00, 40.00 & 48.0 MHz	
Supply voltage	+3.3 V ±5 %	+5.0 V ±5 %
Supply current	5 ~ 50 mA	5 ~ 40 mA
Frequency stability (*)	±25 ppm -20 ~ +70 °C ±50 ppm -40 ~ +85 °C	
Output signal	HCMOS / TTL compatible	
Output level	V_{OH} ≥ 0.9 Vdc V_{OL} ≤ 0.1 Vdc	V_{OH} ≥ 0.9 Vdc V_{OL} ≤ 0.1 Vdc
Output load	15 pF / 10 TTL	15 ~ 50 pF / 10 TTL
Symmetry	45 ~ 55 % @ ½ Vdc	
Rise / fall time	3 ~ 8 ns	
	+1.65 ±1.35 V	+2.5 ±2.0 V
	±50 ~ ±300 ppm	
Operating temperature range	-20 ~ +70 °C standard application -40 ~ +85 °C 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	MIL-STD-883C, Method 2002, Con B
Vibration	MIL-STD-883C, Method 2007, Con A
Solder ability	MIL-STD-883C, Method 2003
Seal integrity	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