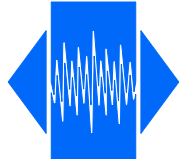


# VX6-

Thru-hole VCXO  
HCMOS / TTL

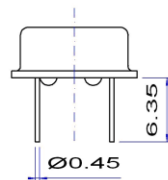
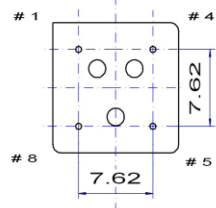
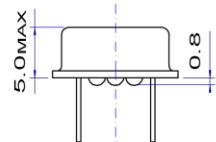
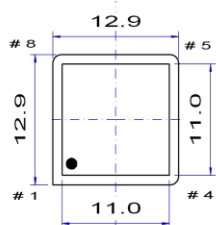
**QuartzCom**  
the communications company



## Features

- Applications: telecommunications, instrumentation, automotive
- Hermetic sealed metal package, DIL 8/4 pin
- Frequency up to 180 MHz
- High shock and vibration resistant

Parameter	Specification	
	VX6-3XXH	VX6-5XXH
Frequency range	1 ~ 180 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 ~ $\pm$ 200 ppm	
Operating temperature range	-20 ~ +70 °C -40 ~ +85 °C	standard application industrial application
Storage temperature range	-55 ~ +125 °C	
Packaging units	tube	40 pieces
(*) All inclusive: frequency stability vs. temperature, tolerance, aging, supply & load variation, on request		
Customer specifications on request		



## Pin function

- # 1 Vc Voltage control
- # 4 GND
- # 5 Output
- # 8 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

04 Apr. 10

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