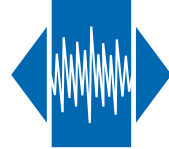


# TX6-104H

Through hole TCXO  
HCMOS

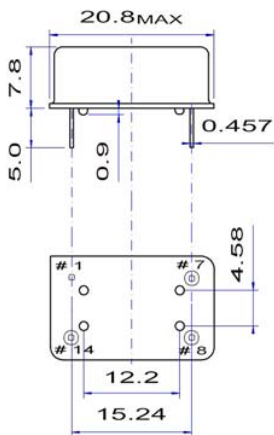
**QuartzCom**  
the communications company



## Features

- Applications: mobile communications, instrumentation, satellite communication (data & voice)
- Frequency range up to 200 MHz
- High reliable hermetic sealed package
- Low phase noise

Parameter	Specification	
	VT6-104H3	VT6-104H5
Frequency range	5 ~ 200 MHz	
Standard frequencies	10.0, 12.80, 13.0, 16.384, 20.0, 26.0, 38.40 & 40.0 MHz	
Frequency stability:		
vs. temperature	≤ ±0.5 ~ ±2.5 ppm	
vs. supply & load change	≤ ±0.2 ppm	±5 %
vs. aging	≤ ±1.0 ppm	1 <sup>st</sup> year
Frequency tolerance ex. factory	≤ ±0.5 ppm	@ +25 °C
Short term stability (Allan deviation) σ 1 s	≤ 5 x 10 <sup>-10</sup>	
Supply voltage	+3.3 V ±5 %	+5.0 V ±5 %
Supply current	10 ~ 40 mA	
Output signal	HCMOS / TTL compatible	
Output level	V <sub>OH</sub> > 0.9 Vdc	V <sub>OL</sub> < 0.1 Vdc
Output load	15 pF / 10 TTL	
Frequency adjustment by internal trimmer	> ±5 ppm	optional on request
Phase noise @ 20 MHz carrier frequency	-97 dBc/Hz	@ 10 Hz
	-117 dBc/Hz	@ 100 Hz
	-140 dBc/Hz	@ 1 kHz
	-145 dBc/Hz	@ 10 kHz
	-150 dBc/Hz	@ 100 kHz
Operating temperature range	-20 ~ +70 °C	commercial application
	-40 ~ +85 °C	industrial application
Storage temperature range	-55 ~ +125 °C	
Packaging units	tray	50 pieces
	tube	25 pieces
Customer specifications on request		



## Pin function

- # 1 GND
- # 7 GND
- # 8 Output
- #14 Vdc

## Without trimmer



## With internal trimmer (optional)



## Environmental & Mechanical specification

Shock	MIL-STD-883C, Method 2002, Con B
Vibration	MIL-STD-883C, Method 2007, Con A
Solderability	MIL-STD-883C, Method 2003
Seal integrity	MIL-STD-883C, Method 2014, Con C&A2

2002/95/EC RoHS compliant

17 Dec. 10

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ISO 9001  
BUREAU VERITAS  
Certification

