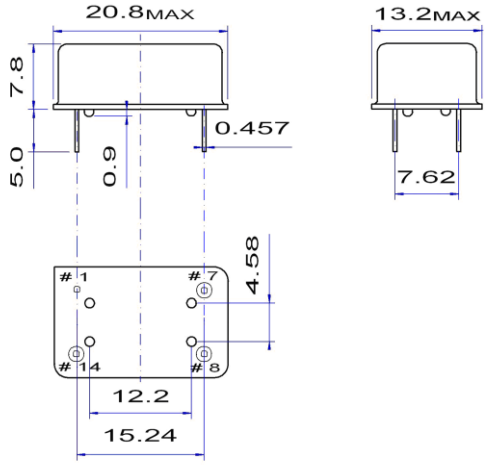
VT6-104H

Through hole VC-TCXO
HCMOS

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	10.00, 12.80, 13.00, 16.384, 20.00, 26.00, 38.40 & 40.00 MHz	
Frequency stability:		
vs. temperature	≤ ±0.5 ~ ±2.5 ppm	
vs. supply & load change	≤ ±0.2 ppm	±5 %
vs. aging	≤ ±1.0 ppm	1st year
Frequency tolerance ex. factory	≤ ±0.5 ppm	@ +25 °C
Short term stability (Allan deviation) σ 1 s	≤ 5 x 10^{-10}	
Supply voltage	+3.3 V ±5 %	+5.0 V ±5 %
Supply current	10 ~ 40 mA	
Output signal	HCMOS / TTL compatible	
Output level	V_{OH} > 0.9 Vdc	V_{OL} < 0.1 Vdc
Output load	15 pF / 10 TTL	
Frequency pulling range	±5 ~ ±40 ppm	
Voltage control	+1.65 V ±1.50 V	+2.5 V ±2.0 V
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	tape & reel 500 pieces tray 50 pieces	
Customer specifications on request		



Pin function

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

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

02 May. 10

QuartzCom AG
sales@quartzcom.com

QuartzCom Asia
sales-asia@quartzcom.com

QuartzCom USA
sales-usa@quartzcom.com

www.quartzcom.com