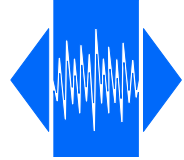


VT7-503C

SMD VC-TCXO
CMOS

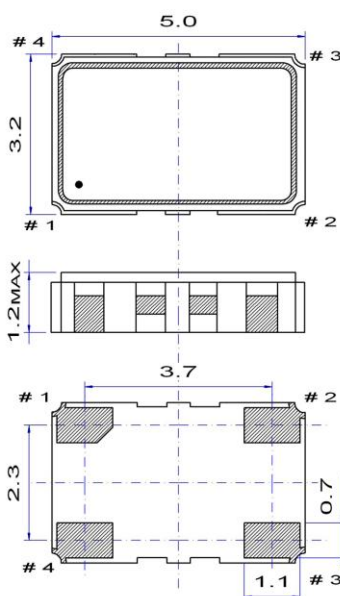
QuartzCom
the communications company



Features

- Applications: mobile communications, GPS, instrumentation
- Output signal CMOS
- Frequency range up to 32.768 MHz
- Highly shock and vibration resistant

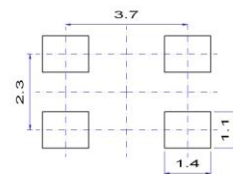
Parameter	Specification	
Frequency range	10 ~ 40 MHz	
Standard frequencies	10.0, 12.8, 13.0, 14.4, 16.0, 19.2, 20.0, 24.0, 25.0, 38.4 & 40.0 MHz	
Frequency stability:		
vs. temperature	≤ ±0.5 ~ ±2.5 ppm	10.0 ~ 40.0 MHz -40 ~ +85 °C
	≤ ±0.1 ~ ±0.28 ppm	10.0 ~ 26.0 MHz -20 ~ +70 °C
vs. supply change	≤ ±0.1 ppm	±5 %
vs. load change	≤ ±0.1 ppm	±5 %
vs. aging	≤ ±1.0 ppm	1 st year
Frequency tolerance ex. factory	≤ ±0.5 ppm	@ +25 °C
Supply voltage	+2.8, +3.0, +3.3 & +5.0 V	
Supply current	< 5 mA	
Output signal	CMOS	
Output level	V _{OH} > 0.9 Vdc	V _{OL} < 0.1 Vdc
Output load	15 pF	±5 %
Frequency pulling range	±5 ~ ±15 ppm	
Voltage control	+1.5 V	±1.0 V
Phase noise @ 20 MHz carrier frequency	-140 dBc/Hz	@ 10 kHz
Operating temperature range	-20 ~ +70 °C	commercial application
	-40 ~ +85 °C	industrial application
Storage temperature range	-55 ~ +125 °C	
Packaging units	tape & reel	1'000 or 2'500 pieces
Customer specifications on request		



Pin function

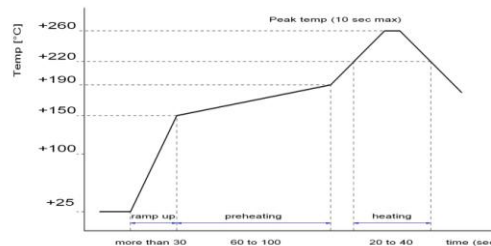
- # 1 Vc Voltage control
- # 2 GND
- # 3 Output
- # 4 Vdc

Example for solder pattern



Do not design any conductive path between the pattern

Example for IR reflow soldering temperature



2002/95/EC RoHS compliant

31 Oct. 10

QuartzCom AG
sales@quartzcom.com

QuartzCom Asia
sales-asia@quartzcom.com

QuartzCom USA
sales-usa@quartzcom.com

www.quartzcom.com