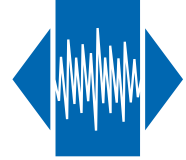


VT7-503

SMD VC-TCXO
Clipped sine wave

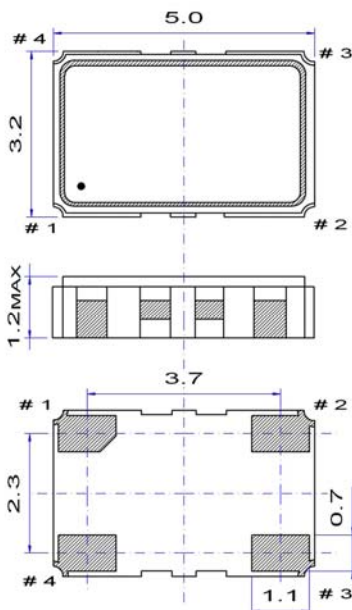
QuartzCom
the communications company



Features

- Applications: mobile communications, GPS, instrumentation
- Frequency range up to 40 MHz
- Tight frequency stability vs. temperature
- Highly shock and vibration resistant

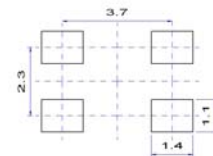
Parameter	Specification
Frequency range	10 ~ 40 MHz
Standard frequencies	10.0, 12.8, 13.0, 14.4, 16.0, 19.2, 20.0, 24.0, 25.0, 38.4 & 40.0 MHz
Frequency stability:	
vs. temperature	$\leq \pm 0.5 \sim \pm 2.5$ ppm 10.0 ~ 40.0 MHz -40 ~ +85 °C $\leq \pm 0.1 \sim \pm 0.28$ ppm 10.0 ~ 26.0 MHz -20 ~ +70 °C
vs. supply change	$\leq \pm 0.2$ ppm ± 5 %
vs. load change	$\leq \pm 0.2$ ppm ± 5 %
vs. aging	$\leq \pm 1.0$ ppm 1 st year
Frequency tolerance ex. factory	$\leq \pm 0.5$ ppm @ +25 °C
Supply voltage	+2.8 ~ +5.0 V
Supply current	1.5 ~ 3 mA
Output signal	> 0.8 Vp-p clipped sine wave
Output load	10 k Ω // 10 pF
Frequency pulling range	$\pm 5 \sim \pm 10$ ppm
Voltage control	+1.5 V ± 1.0 V
Phase noise @ 20 MHz carrier frequency	-145 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

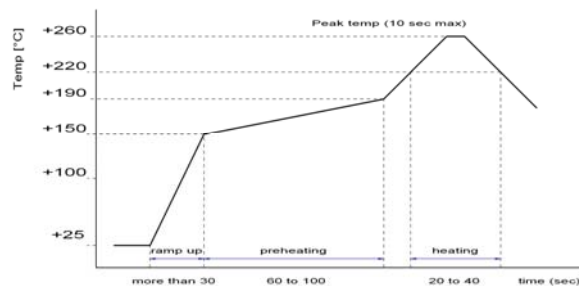
- # 1 Vc Voltage control
- # 2 GND
- # 3 Output
- # 4 Vdc

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

ISO 9001
BUREAU VERITAS
Certification

