VT7-252

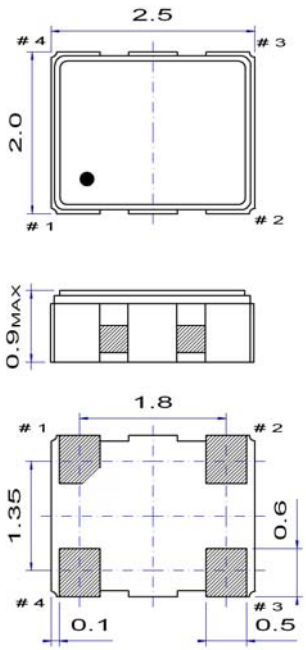
Miniature SMD VC-TCXO
Clipped sine wave

QuartzCom
the communications company

Features

- Applications: mobile communications, GPS
- Ultra small package size: 2.5 x 2.0 x 0.9 mm
- Output signal clipped sine wave
- Low phase noise

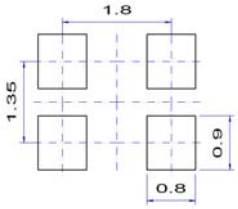
Parameter	Specification	
Frequency range	16.0 ~ 40.0 MHz	
Standard frequencies	16.367667, 19.20, 20.00 & 26.00 MHz	
Frequency stability:		
vs. temperature	≤ ±1.0 ~ 2.5 ppm	
vs. supply change	≤ ±0.2 ppm	±5 %
vs. load change	≤ ±0.2 ppm	±5 %
vs. aging	≤ ±1.0 ppm	1st year
Frequency slope of perturbations	≤ ±0.2 ppm/°C	frequency measurement every 2 °C
Static temperature hysteresis	≤ ±0.6 ppm	
Frequency tolerance ex. factory	≤ ±2.0 ppm	@ +25 °C
Supply voltage	+2.8 V	±5 %
Supply current	< 1.5 mA	
Output signal	0.8 V_{p-p}	clipped sine wave
Output load	10 kΩ // 10 pF	
Frequency pulling range	> ±5 ppm	
Voltage control	+1.5 V ±1.0 V	
Phase noise @ 19.2 MHz carrier frequency	-142 dBc/Hz	@ 10 kHz
Operating temperature range	-20 ~ +70 °C -30 ~ +85 °C	commercial application industrial application
Storage temperature range	-55 ~ +125 °C	
Packaging units	tape & reel	1'000 or 2'500 pieces
Customer specifications on request		



Pin function

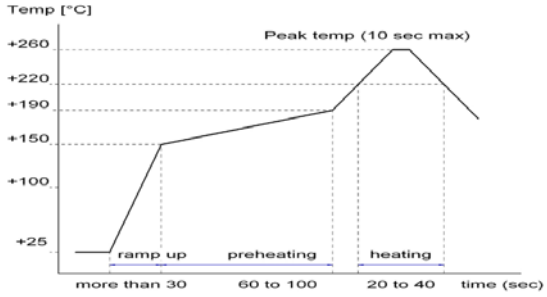
# 1	Vc Voltage control
# 2	GND
# 3	Output
# 4	Vdc

Example for solder pattern



Do not design any conductive path between the pattern

Example for IR reflow soldering temperature



2002/95/EC RoHS compliant

02 May. 10

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ISO 9001 BUREAU VERITAS Certification