VT2-802V

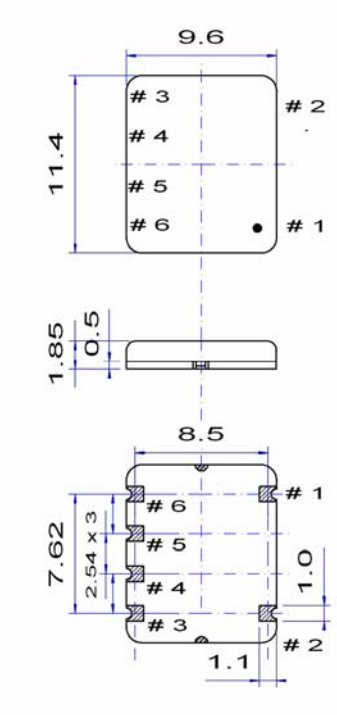
Wide pulling SMD VC-TCXO
Clipped sine wave

QuartzCom
the communications company

Features

- Applications: mobile communications, instrumentation, microwave
- Frequency range up to 50 MHz
- Wide pulling range in the range: ±20 ~ ±40 ppm
- Low phase noise

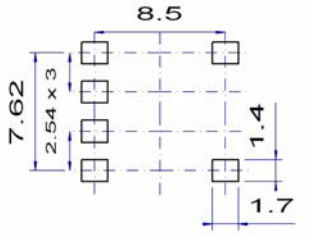
Parameter	Specification		
	VT2-802VL	VT2-802VM	VT2-802VS
Frequency range	9.6 ~ 50 MHz		
Standard frequencies	10.00, 13.00, 16.384, 19.20, 19.44, 20.00, 20.48 & 27.00 MHz		
Frequency stability:			
vs. temperature	≤ ±1.0 ~ ±2.5 ppm		
vs. supply & load change	≤ ±0.2 ppm	± 5 %	
vs. aging	≤ ±1.0 ppm	1st year	
Frequency tolerance ex. factory	≤ ±2.0 ppm	@ +25 °C	
Supply voltage	+3.0 V ±5 %	+3.3 V ±5 %	+5.0 V ±5 %
Supply current	1.5 ~ 4 mA		
Output signal	> 0.8 Vp-p	clipped sine wave	
Output load	10 kΩ // 10 pF		
Frequency pulling range	±20 ~ ±40 ppm		
Voltage control	+1.65 V ±1.35 V		+2.5 V ±2.0 V
Phase noise @ 13.0 MHz carrier frequency	-140 dBc/Hz	@ 1 kHz	
Operating temperature range	-30 ~ +75 °C -40 ~ +85 °C	commercial application industrial application	
Storage temperature range	-55 ~ +125 °C		
Packaging units	tape & reel	500 or 1'000 pieces	
Customer specifications on request			



Pin function

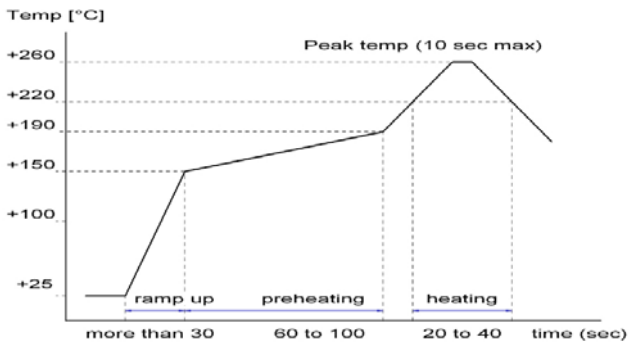
# 1	GND
# 2	GND
# 3	Output
# 4	GND
# 5	Vc Voltage control
# 6	Vcc

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