VT5-256AL

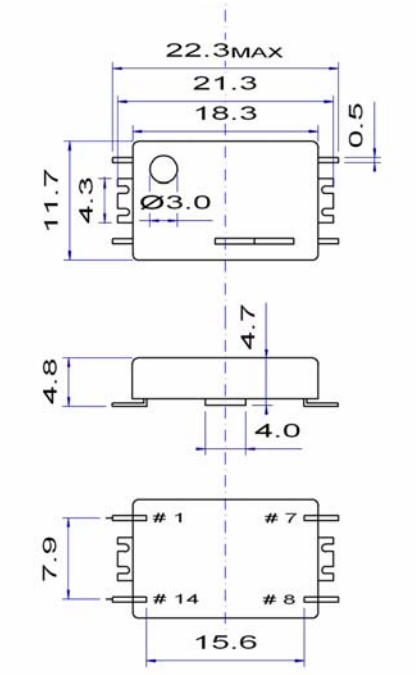
SMD VC-TCXO
Clipped sine wave

QuartzCom
the communications company

Features

- Applications: mobile communications, instrumentation, broadcast
- Frequency range up to 200 MHz
- Tight frequency stability vs. temperature
- Low phase noise

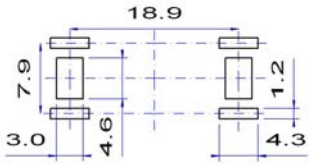
Parameter	Specification	
	VT5-256AL3	VT5-256AL5
Frequency range	9.6 ~ 200 MHz	
Standard frequencies	10.00, 12.80, 15.36, 16.384, 20.00, 26.00 & 27.00 MHz	
Frequency stability:		
vs. temperature	≤ ±0.5 ~ ±2.5 ppm	
vs. supply & load change	≤ ±0.2 ppm	±5 %
vs. aging	≤ ±1.0 ppm	1st year
Frequency tolerance ex. factory	≤ ±0.5 ppm	@ +25 °C
Supply voltage	+3.3 V ±5 %	+5.0 V ±5 %
Supply current	1.5 ~ 20 mA	
Output signal	> 1.0 Vp-p	clipped sine wave
Output load	10 kΩ // 10 pF	
Frequency pulling range	±5 ~ ±40 ppm	
Voltage control	+1.65 V ±1.50 V	+2.5 V ±2.0 V
Frequency adjustment	> ±5 ppm	with internal trimmer
Phase noise @ 20.0 MHz carrier frequency	-142 dBc/Hz	@ 1 kHz
Operating temperature range	-20 ~ +70 °C -40 ~ +85 °C	commercial application industrial application
Storage temperature range	-55 ~ +125 °C	
Packaging units	tape & reel tray	500 pieces 50 pieces
Customer specifications on request		



Pin function

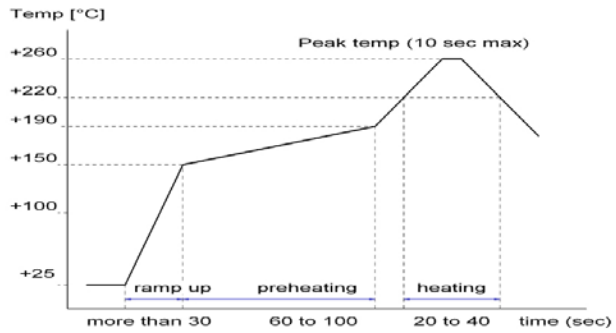
# 1	Vc Voltage control
# 7	GND
# 8	Output
# 14	Vdc

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

QuartzCom AG
sales@quartzcom.com
www.quartzcom.com

QuartzCom Asia
sales-asia@quartzcom.com

QuartzCom USA
sales-usa@quartzcom.com

ISO 9001 BUREAU VERITAS Certification