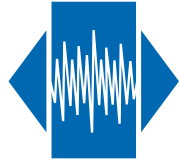


VT5-256AL

SMD VC-TCXO
Clipped sine wave

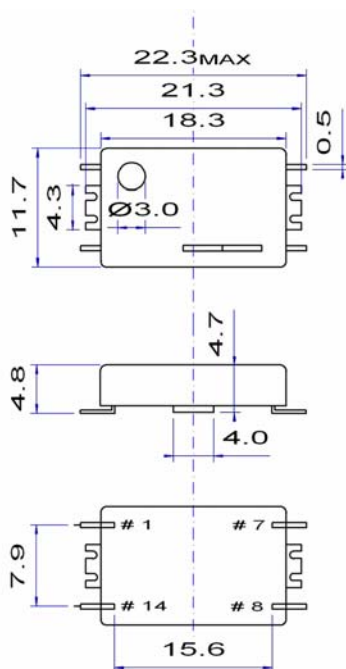
QuartzCom
the communications company



Features

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

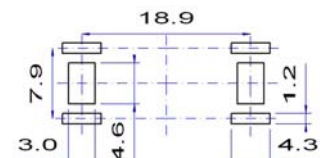
Parameter	Specification	
	VT5-256AL3	VT5-256AL5
Frequency range	9.6 ~ 200 MHz	
Standard frequencies	10.00, 12.80, 15.36, 16.384, 20.00, 26.00 & 27.00 MHz	
Frequency stability:		
vs. temperature	$\leq \pm 0.5 \sim \pm 2.5$ ppm	
vs. supply & load change	$\leq \pm 0.2$ ppm	± 5 %
vs. aging	$\leq \pm 1.0$ ppm	1 st year
Frequency tolerance ex. factory	$\leq \pm 0.5$ ppm	@ +25 °C
Supply voltage	+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 k Ω // 10 pF	
Frequency pulling range	$\pm 5 \sim \pm 40$ 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	commercial application
	-40 ~ +85 °C	industrial application
Storage temperature range	-55 ~ +125 °C	
Packaging units	tape & reel	500 pieces
	tray	50 pieces
Customer specifications on request		



Pin function

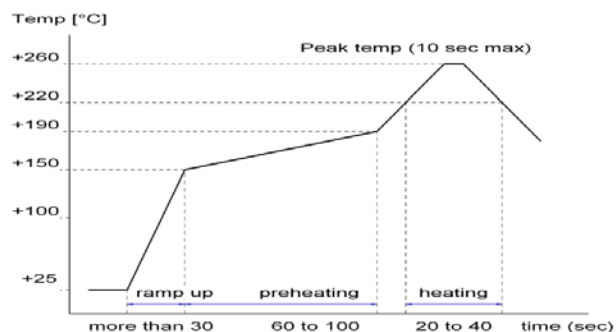
- # 1 Vc Voltage control
- # 7 GND
- # 8 Output
- # 14 Vdc

Example for solder pattern



Do not design any conductive path between the pattern

Example for IR reflow soldering temperature



2002/95/EC RoHS compliant