

# VT5-254SP & VT5-256SP

Through hole VC-TCXO  
Sine wave

**QuartzCom**  
the communications company

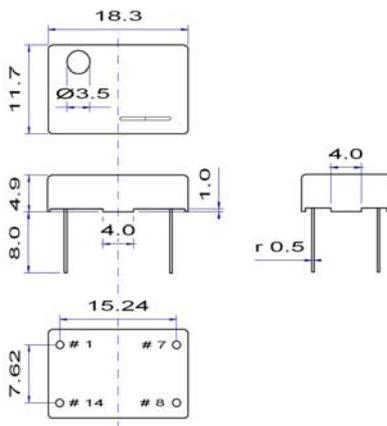


## Features

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

Parameter	Specification	
	VT5-254SP3 & VT5-256SP3	VT5-254SP5 & VT5-256SP5
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	1 <sup>st</sup> 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	sine wave	
Output level	0 dBm	3 ~ 7 dBm
Output load	50 Ω	
Frequency pulling range	±5 ~ ±40 ppm	
Voltage control (Vc)	+1.65 V ±1.50 V	+2.5 V ±2.0 V
Frequency adjustment	> ± 5ppm	with internal trimmer
Phase noise @ 27.0 MHz carrier frequency	-140 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	tray	50 pieces
Customer specifications on request		

## VT5-254SP

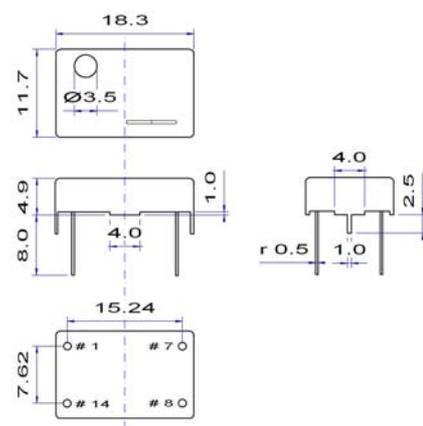


Without Case pin  
more common

## Pin function

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

## VT5-256SP



With Case pin

*Do not design any conductive path between the pattern*

**2002/95/EC RoHS compliant**