VT3-801HTF

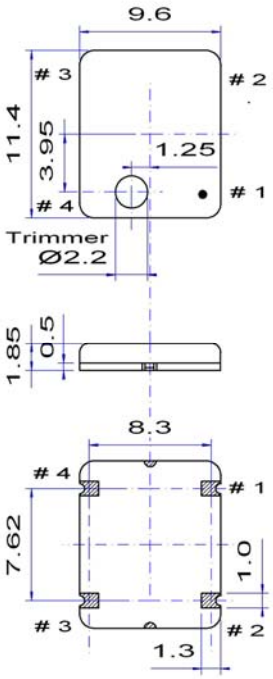
SMD VC-TCXO
HCMOS

QuartzCom
the communications company

Features

- Applications: mobile communications, instrumentation, microwave
- Frequency range up to 50 MHz
- Tight frequency stability vs. temperature
- Low phase noise

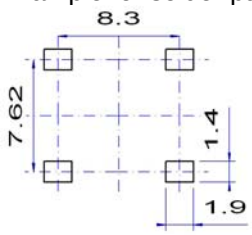
Parameter	Specification		
	VT3-801HTFL	VT3-801HTFM	VT3-801HTFS
Frequency range	10 ~ 30 MHz		10 ~ 50 MHz
Standard frequencies	10.00, 13.00, 16.384, 19.20, 19.44, 20.00, 20.48 & 27.00 MHz		
Frequency stability:			
vs. temperature	≤ ±1.0 ~ ± 2.5 ppm		
vs. supply & load change	≤ ±0.2 ppm		±5 %
vs. aging	≤ ±1.0 ppm		1st year
Frequency tolerance ex. factory	≤ ±0.5 ppm		@ +25 °C
Supply voltage	3.0 V ±5 %	3.3 V ±5 %	5.0 V ±5 %
Supply current	4 ~ 15 mA		
Output signal	HCMOS		
Output load	15 pF		
Frequency pulling range	±10 ~ ±15 ppm		
Voltage control	+1.65 V ±1.0 V		+2.5 V ±1.0 V
Frequency adjustment	> ± 3 ppm		by internal trimmer
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

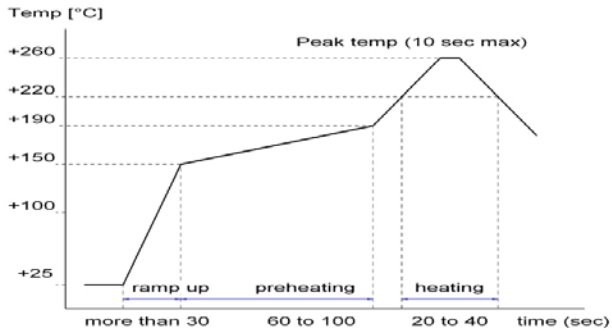
# 1	Vc Voltage control
# 2	GND
# 3	Output
# 4	Vdc

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