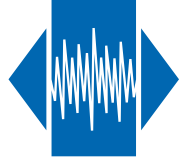


VT3-801HV

SMD VC-TCXO
HCMOS

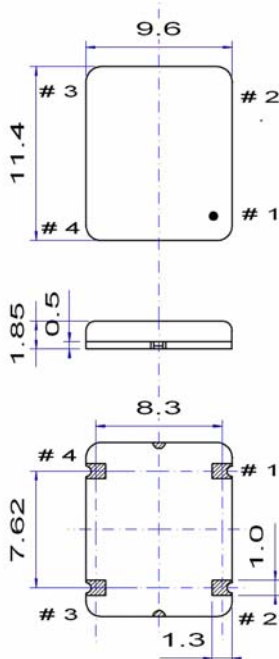
QuartzCom
the communications company



Features

- Applications: mobile communications, instrumentation, microwave
- Output signal HCMOS
- Output frequency up to 50 MHz
- Wide pulling range in the range: $\pm 20 \sim \pm 40$ ppm

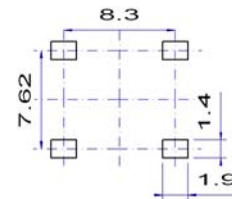
| Parameter | Specification | | |
|--|--|------------------------|--------------------|
| | VT3-801HVL | VT3-801HVM | VT3-801HVS |
| Frequency range | 9.6 ~ 50 MHz | | |
| Standard frequencies | 10.00, 12.8, 13.00, 19.2, 19.44, 20.00 & 26.00 MHz | | |
| Frequency stability: | | | |
| vs. temperature | $\leq \pm 1.0 \sim \pm 3.5$ ppm | | |
| vs. supply & load change | $\leq \pm 0.4$ 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 | +3.0 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 | $\pm 20 \sim \pm 40$ ppm | | |
| Voltage control | +1.65 V ± 1.35 V | | +2.5 V ± 2.0 V |
| Phase noise @ 20.0 MHz carrier frequency | -140 dBc/Hz | @ 1 kHz | |
| Operating temperature range | -30 ~ +75 °C | commercial application | |
| | -40 ~ +85 °C | industrial application | |
| Storage temperature range | -55 ~ +125 °C | | |
| Packaging units | tape & reel | 500 or 1'000 pieces | |
| Customer specifications on request | | | |



Pin function

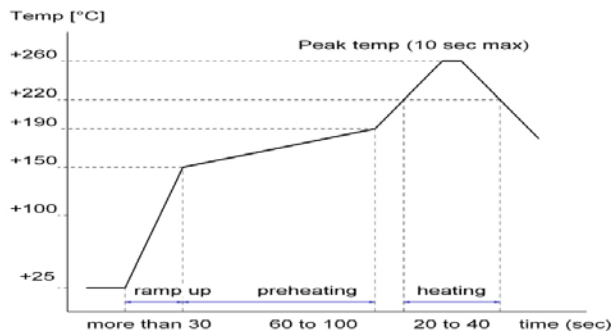
- # 1 Vc Voltage control
- # 2 GND
- # 3 Output
- # 4 Vdc

Example for solder pattern



Do not design any conductive path between the pattern

Example for IR reflow soldering temperature



2002/95/EC RoHS compliant