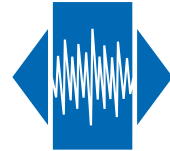


TX7-302

SMD TCXO
Clipped sine wave

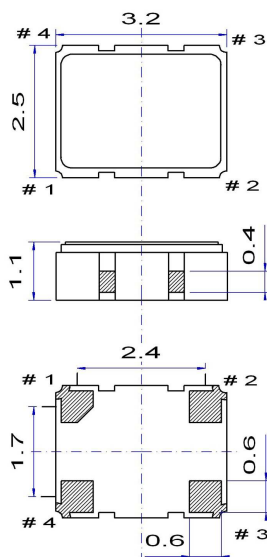
QuartzCom
the communications company



Features

- Applications: mobile communications, GPS
- Small, low profile package: 3.2 x 2.5 x 1.0 mm
- Output signal clipped sine wave
- Low phase noise

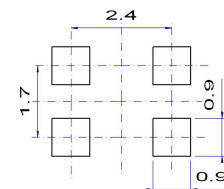
| Parameter | Specification | |
|--|---|--|
| Frequency range | 10 ~ 40 MHz | |
| Standard frequencies | 10.0, 12.8, 16.384, 19.2, 20.0, 24.0, 25.0, 26.0, 38.4 & 40.0 MHz | |
| Frequency stability: | | |
| vs. temperature | ≤ ±0.5 ~ ±2.5 ppm | |
| vs. supply change | ≤ ±0.2 ppm | ±5 % |
| vs. load change | ≤ ±0.2 ppm | ±5 % |
| vs. aging | ≤ ±1.0 ppm | 1 st year |
| Frequency slope of perturbations | ≤ ±0.2 ppm/°C | frequency measurement every 2 °C |
| Static temperature hysteresis | ≤ ±0.6 ppm | |
| Frequency tolerance ex. factory | ≤ ±1.0 ppm | @ +25 °C |
| Supply voltage | +2.4 ~ +5.0 V | |
| Supply current | < 2.0 mA | |
| Output signal | > 0.8 Vp-p | clipped sine wave |
| Output load | 10 kΩ // 10 pF | |
| Phase noise @ 19.2 MHz carrier frequency | -145 dBc/Hz | @ 10 kHz |
| Operating temperature range | -20 ~ +70 °C -40 ~ +85 °C | commercial application industrial application |
| Storage temperature range | -55 ~ +125 °C | |
| Packaging units | tape & reel | 1'000 or 2'500 pieces |
| Customer specifications on request | | |



Pin function

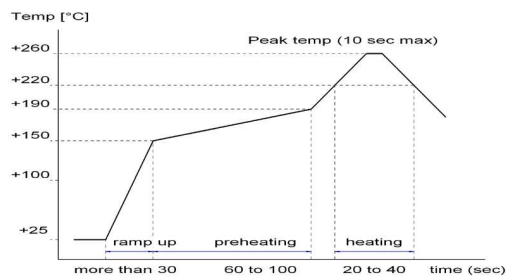
- # 1 GND
- # 2 GND
- # 3 Output
- # 4 Vdc

Example for solder pattern



Do not design any conductive path between the pattern

Example for IR reflow soldering temperature



2002/95/EC RoHS compliant

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30 Apr. 10

ISO 9001
BUREAU VERITAS
Certification

