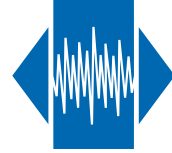


# TX7-503C-ST3

STRATUM III SMD TCXO  
CMOS

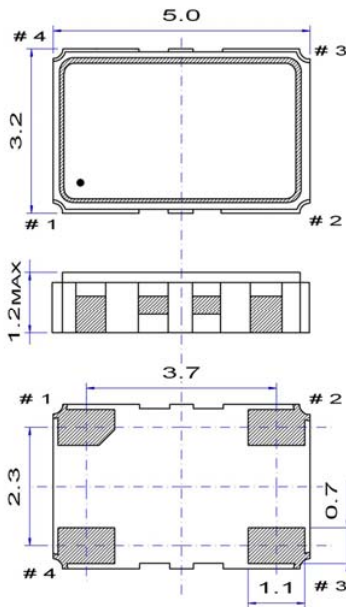
QuartzCom  
the communications company



## Features

- Applications: transmission, TDM networks, SDH, SONET, wireless communications, IEEE 1588v2, SyncE, STRATUM III, wireless backhaul, metro carrier Ethernet, femtocells, picocells
- Holdover stability:  $\pm 0.37$  ppm over 24 h
- Overall stability:  $\pm 4.60$  ppm including 15 years aging
- Output signal: CMOS

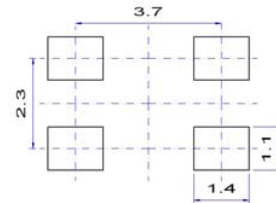
Parameter	Specification	
Frequency range	10.000 ~ 26.000 MHz	
Standard frequencies	19.44, 20.00, 25.00 & 26.00 MHz	
Frequency stability:	$\leq \pm 4.60$ ppm	overall stability including 15 years aging
vs. temperature	$\leq \pm 0.28$ ppm	-40 ~ +85 °C
vs. aging	$\leq \pm 3.0$ ppm	15 years
Holdover stability	$\leq \pm 0.37$ ppm	over 24 h including supply change of $\pm 5$ % and aging
Frequency tolerance ex. factory	$\leq \pm 0.50$ ppm	@ +25 °C
Supply voltage	+3.3 V or +5.0 V	$\pm 5$ %
Supply current	< 6 mA	
Output signal	CMOS	
Output load	15 pF	$\pm 5$ %
Tri-state function	pin #1 high or open pin #1 low	pin #3 → oscillation pin #3 → high impedance
Phase noise @ 20.0 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 tape only	500 or 1'000 pieces < 500 pieces
Customer specifications on request		



## Pin function

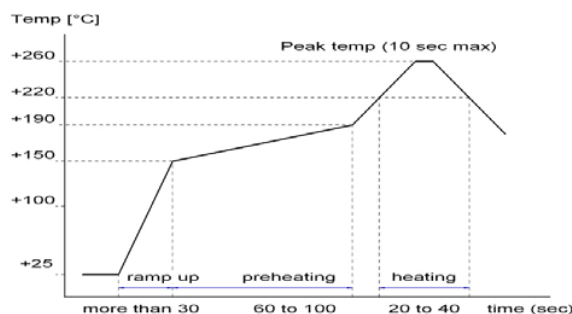
- # 1 Tri-state or not connected
- # 2 GND
- # 3 Output
- # 4 Vdc

## 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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01 Nov. 10

