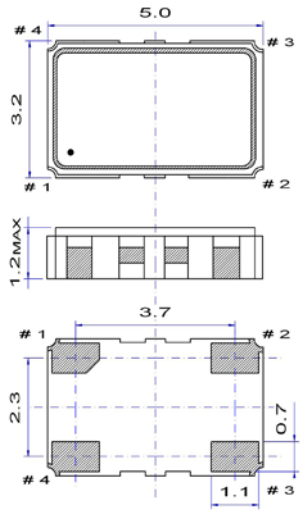
TX7-503

Accurate analogue temperature compensated SMD TCXO

Features

- Applications: mobile communications, GPS, instrumentation
- Output signal Clipped sine wave or CMOS
- Frequency range up to 40.000 MHz
- Highly shock and vibration resistant

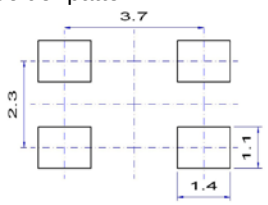
Parameter	Specification		
Frequency range	10 ~ 40.000 MHz		
Standard frequencies	10.0, 12.8, 16.0, 19.2, 20.0, 24.0, 25.0, 26.0, 32.768 & 40.0 MHz		
Frequency stability:			
vs. temperature	≤ ±0.5 ~ ±2.5 ppm ≤ ±0.1 ~ ±0.28 ppm	10.0 ~ 40.0 MHz 10.0 ~ 26.0 MHz	-40 ~ +85 °C -20 ~ +70 °C
vs. supply change	≤ ±0.1 ppm	±5 %	
vs. load change	≤ ±0.1 ppm	±5 %	
vs. aging	≤ ±1.0 ppm	1st year	
Frequency tolerance ex. factory		≤ ±0.5 ppm @ +25 °C	
Supply voltage	+2.8, +3.0, +3.3 & +5.0 V		
Supply current	< 5 mA		
Type	**TX7-503**	**TX7-503C**	
Output signal	**clipped sine wave**	**CMOS**	
Output level	> 0.8 Vp-p	V_{OH} > 0.9 x Vdc / V_{OL} < 0.1 x Vdc	
Output load	10 kΩ // 10 pF	15 pF	
Tri-state function	pin #1 high or open pin #1 low	pin #3 ➔ oscillation pin #3 ➔ high impedance	
Phase noise @ 10.0 MHz carrier frequency	-125 dBc/Hz -145 dBc/Hz -155 dBc/Hz	@ 100 Hz @ 1 kHz @ 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			



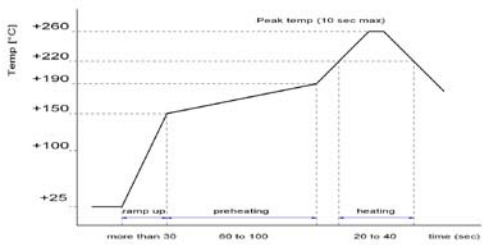
Pin function

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

Solder pattern



IR reflow soldering temperature



2011/65/EU RoHS compliant

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QuartzCom AG
Bischmattstrasse 11
CH 2544 Bettlach
Switzerland

Fax +41 32 644 24 05
Tel +41 32 644 24 00
E-Mail sales@quartzcom.com
www.quartzcom.com

ISO 9001 BUREAU VERITAS Certification