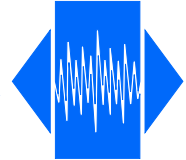


TX7-705-TQ

High precision analogue compensated
SMD TCXO

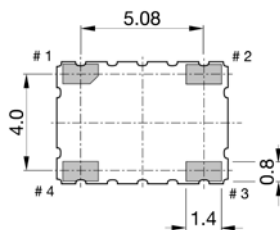
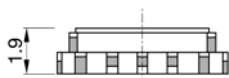
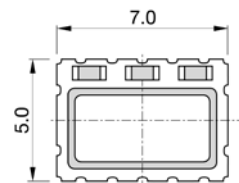
QuartzCom
the communications company



Features

- Applications: wireless communications (WiMAX), micro base station, instrumentation, satellite navigation
- Output signal: clipped sine wave or CMOS
- Frequency range 5 MHz up to 52 MHz

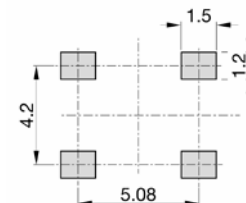
Parameter	Specification	
Frequency range	5 ~ 52 MHz	
Standard frequencies	10.0, 12.80, 19.44, 20.0, 25.0, 32.0, 40.0, 49.152 & 50.0 MHz	
Frequency stability:		
vs. temperature	$\leq \pm 0.10$ ppm $\leq \pm 0.14$ ppm $\leq \pm 0.28$ ppm $\leq \pm 0.50$ ppm	-10 ~ +60 °C -20 ~ +70 °C -40 ~ +85 °C -40 ~ +85 °C (standard)
vs. supply change	$\leq \pm 0.10$ ppm	± 5 %
vs. load change	$\leq \pm 0.10$ ppm	± 5 %
vs. aging	$\leq \pm 1.0$ ppm	1 st year
Frequency tolerance ex. Factory (preset)	$\leq \pm 0.5$ ppm	@ +25 °C
Supply voltage	+3.3 V or +5.0 V	
Supply current	1.5 ~ 6 mA	
Output signal	clipped sine wave	CMOS
Output level	> 0.8 Vp-p	$V_{OH} > 0.9 \times V_{dc}$ / $V_{OL} < 0.1 \times V_{dc}$
Output load	10 k Ω // 10 pF	15 pF
Phase noise @ 10.0 MHz carrier frequency	-125 dBc/Hz -145 dBc/Hz -154 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 ~ +105 °C	
Packaging units	tape & reel	500 or 1'000 pieces
Customer specifications on request		



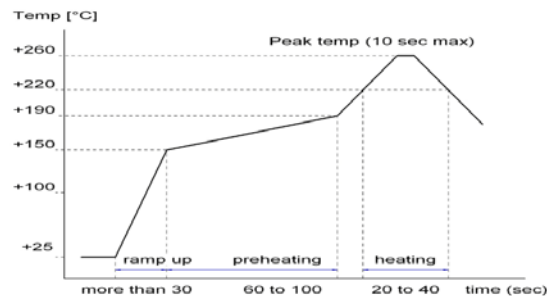
Pin function:

- # 1 do not connect or GND
- # 2 GND
- # 3 RF output
- # 4 Vdc

Solder pattern



IR reflow soldering temperature



2011/65/EU RoHS compliant

06 Dec. 13

QuartzCom AG
Bischofstrasse 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

