

TX7-705-TQ-ST3

High precision analogue compensated
STRATUM III SMD TCXO

QuartzCom
the communications company

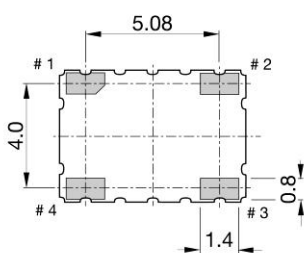
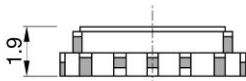
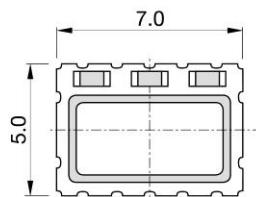


Features

- Applications: transmission, TDM networks, SDH, SONET, wireless communications, IEEE 1588v2, SyncE, STRATUM III, wireless backhaul, metro carrier Ethernet, femtocells, picocells
- Holdover stability: ± 0.37 ppm over 24 h
- Overall stability: ± 4.60 ppm including 20 years aging
- Output signal: Clipped sine wave or CMOS

Parameter	Specification	
Frequency range	9.83040 ~ 52.0 MHz	
Standard frequencies	10.0, 12.80, 16.3840, 19.440, 20.0, 25.0, 26.0, 32.0, 40.0 & 50.0 MHz	
Frequency stability	$\leq \pm 4.60$ ppm	overall inclusive
Overall inclusive	frequency stability vs. temperature, tolerance, aging over 20 years, supply & load variation	
vs. temperature	$\leq \pm 0.28$ ppm	-40 ~ +85 °C
vs. aging	$\leq \pm 3.5$ ppm	20 years
Short term aging, G.813 Option 1	$\leq \pm 0.01$ ppm/day (Note #3)	@ +25 °C ± 1 °C
Holdover stability ⁽¹⁾	$\leq \pm 0.37$ ppm	over 24 hours
Frequency tolerance ex. Factory (preset)	$\leq \pm 0.50$ ppm	@ +25 °C
Supply voltage	+3.3 V or +5.0 V	
Supply current	< 8 mA	
Output signal	clipped sine wave	CMOS
Output level	> 0.8 V _{p-p}	V _{OH} > 0.9 x V _{dcc} / V _{OL} < 0.1 x V _{dcc}
Output load	10 k Ω // 10 pF	15 pF
Phase noise @ 20 MHz carrier frequency	-140 dBc/Hz	@ 10 kHz
Operating temperature range	-20 ~ +70 °C	indoor use
	-40 ~ +85 °C	outdoor use
Storage temperature range	-55 ~ +125 °C	
Packaging units	tape & reel	500 or 1'000 pieces
Customer specifications on request		

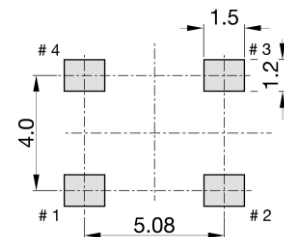
⁽¹⁾ Including: frequency stability, vs temperature, supply change of ± 5 % and aging over 24 hours



Pin function

- # 1 do not connect
- # 2 GND
- # 3 Output
- # 4 V_{dcc}

Solder pattern



IR reflow soldering temperature

