VTO-P9-H-6p-ST3

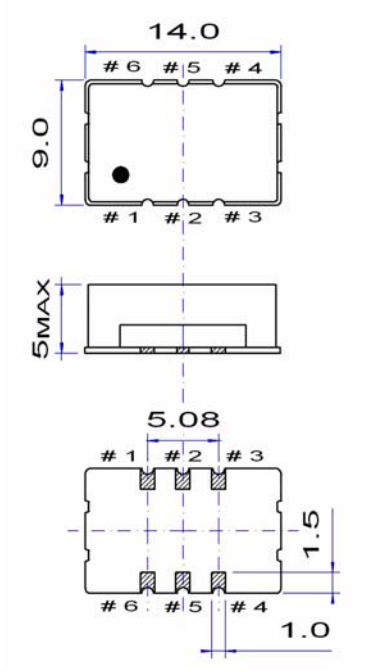
STRATUM-III SMD VC-TCXO
HCMOS

QuartzCom
the communications company

Features

- Application: DWDM, SDH, SONET, GbE, broadband access
- STRATUM III (ITU-T G. 813 option 1)
- Frequency stability ± 4.6 ppm Overall and 15 years aging
- Output signal HCMOS

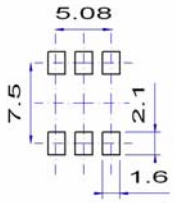
Parameter	Specification	
	VTO-P9-3H-6p-ST3	VTO-P9-5H-6p-ST3
Frequency range	5 ~ 50 MHz	
Standard frequencies	10.000, 19.200, 19.440, 20.000, 25.000 & 38.400 MHz	
Frequency stability:	≤ ±4.60 ppm	Overall including 15 years Aging
vs. temperature	≤ ±0.28 ppm	-20 ~ +70 °C
vs. supply	≤ ±0.20 ppm	±5 %
vs. aging	≤ ±0.04 ppm	24 hours
Holdover stability	≤ ±0.37 ppm	24 hours
Frequency tolerance ex. factory	≤ ±0.50 ppm	@ +25 °C
Supply voltage	+3.3 V ±5 %	+5.0 V ±5 %
Supply current	4 ~ 10 mA	
Output signal	HCMOS	
Output load	15 pF	
Frequency pulling range	±5 ~ ±10 ppm	
Voltage control	+1.65 V ±1.35 V	+2.5 V ±2.0 V
Jitter (rms)	< 1 ps @ 12 kHz ~ 20 MHz from carrier frequency	
Operating temperature range	-20 ~ +70 °C commercial application -40 ~ +85 °C industrial application	
Storage temperature range	-55 ~ +125 °C	
Packaging units	tape & reel	500 pieces
Customer specifications on request		



Pin function

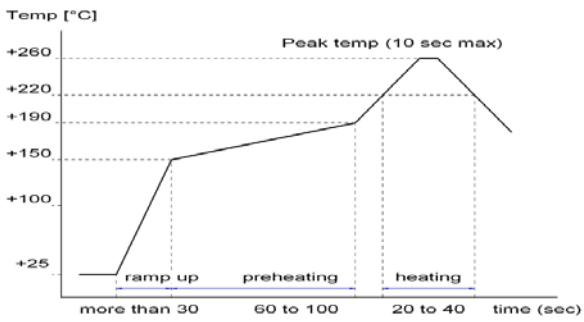
# 1	Vc Voltage control
# 2	N.C.
# 3	GND
# 4	Output
# 5	N.C.
# 6	Vdc

Example for solder pattern



Do not design any conductive path between the pattern

Example for IR reflow soldering temperature



2002/95/EC RoHS compliant

02 May. 10

QuartzCom AG
sales@quartzcom.com

QuartzCom Asia
sales-asia@quartzcom.com

QuartzCom USA
sales-usa@quartzcom.com

www.quartzcom.com

ISO 9001 BUREAU VERITAS Certification