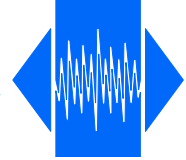


VTO-P9-H-6p-ST3

STRATUM-III SMD VC-TCXO
HCMOS

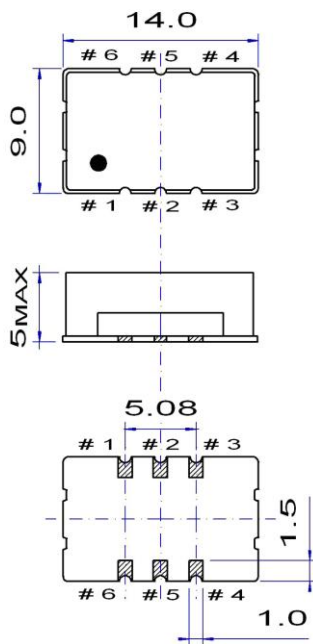
QuartzCom
the communications company



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

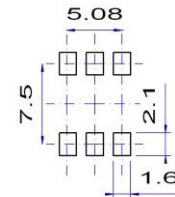
Parameter	Specification	
	VTO-P9-3H-6p-ST3	VTO-P9-5H-6p-ST3
Frequency range	5 ~ 50 MHz	
Standard frequencies	10.000, 19.200, 19.440, 20.000, 25.000 & 38.400 MHz	
Frequency stability:	$\leq \pm 4.60$ ppm	Overall including 15 years Aging
vs. temperature	$\leq \pm 0.28$ ppm	-20 ~ +70 °C
vs. supply	$\leq \pm 0.20$ ppm	± 5 %
vs. aging	$\leq \pm 0.04$ ppm	24 hours
Holdover stability	$\leq \pm 0.37$ ppm	24 hours
Frequency tolerance ex. factory	$\leq \pm 0.50$ 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	$\pm 5 \sim \pm 10$ 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 -40 ~ +85 °C	commercial application industrial application
Storage temperature range	-55 ~ +125 °C	
Packaging units	tape & reel	500 pieces
Customer specifications on request		



Pin function

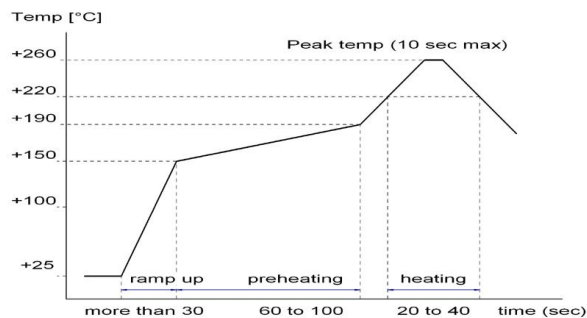
- # 1 Vc Voltage control
- # 2 N.C.
- # 3 GND
- # 4 Output
- # 5 N.C.
- # 6 Vdc

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