

# TX6-464H-ST3

Through hole STRATUM III HCMOS TCXO

**QuartzCom**  
the communications company

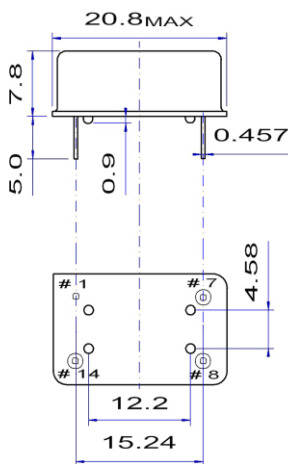


## Features

- Applications: transmission, TDM networks, SDH, SONET, wireless communications, IEEE 1588v2, SyncE, STRATUM III, wireless backhaul, metro carrier Ethernet, femtocells, picocells
- Holdover stability:  $\pm 0.37$  ppm over 24 h
- Overall stability:  $\pm 4.60$  ppm including 20 years aging
- Output signal: HCMOS

Parameter	Specification	
Frequency range	10.0 ~ 100.0 MHz	
Standard frequencies	10.0, 12.80, 16.3840, 19.440, 20.0, 25.0, 26.0 & 38.880 MHz	
Frequency stability:	$\leq \pm 4.60$ ppm	overall stability including 20 years aging
vs. temperature	$\leq \pm 0.28$ ppm	-40 ~ +85 °C
vs. aging	$\leq \pm 3.0$ ppm	20 years
Holdover stability <sup>(1)</sup>	$\leq \pm 0.37$ ppm	over 24 hours
Frequency tolerance ex. factory	$\leq \pm 0.50$ ppm	@ +25 °C
Supply voltage	+3.3 V $\pm 5$ %	+5.0 V $\pm 5$ %
Supply current	< 6 mA	
Output signal	HCMOS / TTL compatible	
Output level	$V_{OH} > 0.9$ Vdc	$V_{OL} < 0.1$ Vdc
Output load	15 pF / 10 TTL	
Frequency adjustment by internal trimmer	> $\pm 5$ ppm	optional on request
Phase noise @ 20 MHz carrier frequency	-97 dBc/Hz	@ 10 Hz
	-117 dBc/Hz	@ 100 Hz
	-140 dBc/Hz	@ 1 kHz
	-145 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	tray	50 pieces
	tube	25 pieces
Customer specifications on request		

<sup>(1)</sup> Including: frequency stability, vs temperature, supply change of  $\pm 5$  % and aging over 24 hours



## Pin function

- # 1 GND
- # 7 GND
- # 8 Output
- #14 Vdc

## Without trimmer



## With internal trimmer (optional)



## Environmental & Mechanical specification

Shock	MIL-STD-883C, Method 2002, Con B
Vibration	MIL-STD-883C, Method 2007, Con A
Solderability	MIL-STD-883C, Method 2003
Seal integrity	MIL-STD-883C, Method 2014, Con C&A2

Specifications subject to change without notice

0011/65/EU RoHS compliant

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