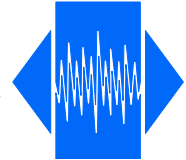


TXU-105H

Through hole TCXO
HCMOS

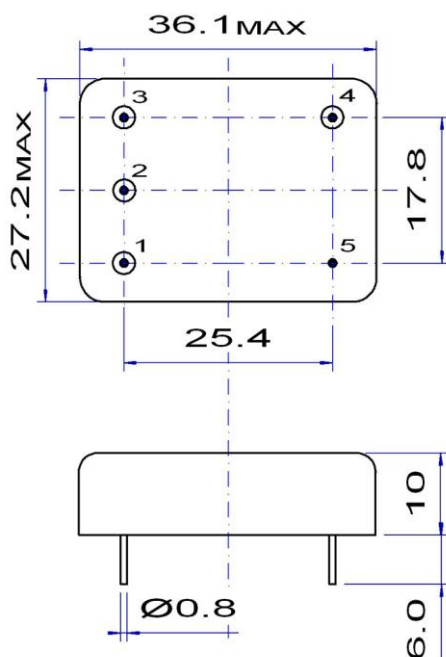
QuartzCom
the communications company



Features

- Applications: mobile communications, telecom infrastructure, instrumentation, navigation
- Frequency range up to 100 MHz
- Tight frequency stability vs. temperature
- Low phase noise

Parameter	Specification	
	TXU-105H3	TXU-105H5
Frequency range	1.0 ~ 100 MHz	
Standard frequencies	6.40, 10.00, 12.80, 16.384, 20.00, 38.40 & 40.00 MHz	
Frequency stability:		
vs. temperature	≤ ±0.5 ~ ±2.5 ppm	
vs. supply & load change	≤ ±0.2 ppm	±5 %
vs. aging	≤ ±1.0 ppm	1 st year
Frequency tolerance ex. factory	≤ ±0.5 ppm	@ +25 °C
Supply voltage	+3.3 V ±5 %	+5.0 V ±5 %
Supply current	3 ~ 30 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	> ±5 ppm	with external potentiometer
	> ±5 ppm	with internal trimmer (optional)
Operating temperature range	-30 ~ +75 °C	commercial application
	-40 ~ +85 °C	industrial application
Storage temperature range	-55 ~ +125 °C	
Packaging unit	cardboard box	25 pieces
Customer specifications on request		
STRATUM III on request		



Pin function

- # 1 external potentiometer or GND by internal trimmer
- # 2 GND
- # 3 Vdc
- # 4 RF Output
- # 5 GND



Phase noise

@ 38.4 MHz carrier frequency	-100 dBc/Hz	@	10 Hz
	-130 dBc/Hz	@	100 Hz
	-145 dBc/Hz	@	1 kHz
	-150 dBc/Hz	@	10 kHz
	-155 dBc/Hz	@	100 kHz

Environmental & Mechanical specification

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

2002/95/EC RoHS compliant

02 May. 10