



TCXO GPS STO-3225A

Applications

- GPS

Features

- Small ceramic package / Dimensions (3.2×2.5×1.0)
- High stability $\pm 0.5\text{ppm} / -30^\circ\text{C} \sim +85^\circ\text{C}$
- Low current consumption
- Low phase noise
- Clipped sine output (DC coupled)

Specifications



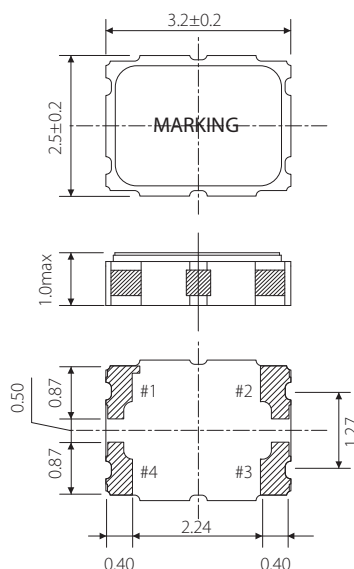
Model	STO-3225A	
Nominal frequency (MHz)	16.368, 16.369, 19.2, 24.5535, 26, 27, 27.456	
Frequency stability	Tolerance at 25°C	$\pm 2.0 \times 10^{-6}$ (Sixty minutes after reflow)
	Temperature (+25°C basis)	$\pm 0.5 \times 10^{-6} / -30 \sim +85^\circ\text{C}$
	Supply voltage change	$\pm 0.2 \times 10^{-6} / V_{\text{dd}} \pm 5\%$
	Load change	$\pm 0.2 \times 10^{-6} / Z_L \pm 10\%$
Aging	$\pm 1.0 \times 10^{-6} / \text{First year}$	
Storage temperature range	-40 ~ +85°C	
Power supply voltage (Vcc)	+1.8V, +2.8V, +3.0V, +3.3V DC $\pm 5\%$	
Current consumption	2.0 mA max.	
Output	Load (ZL)	10k Ω //10pF
	Voltage	0.8V p-p min.
	Waveform	Clipped Sine Wave (DC-coupled output)

*Reference / Idd Spec

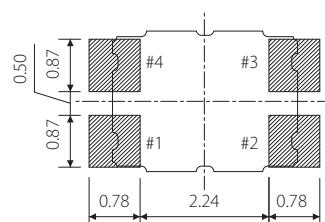
Frequency stability [MHz]	Offset	at 10Hz	at 100Hz	at 1kHz	at 10kHz	Unit
16.368, 19.2		-85(typ.)	-115(typ.)	-135(typ.)	-148(typ.)	dBc/Hz
26.000		-85(typ.)	-110(typ.)	-135(typ.)	-145(typ.)	dBc/Hz

Package quantity: 1,000pcs max./Reel.

Outline and Dimensions [unit:mm]



Example of a Terminal Land Pattern



Terminal	Connection
#1	Tri-state
#2	GND
#3	OUTPUT
#4	Vdd