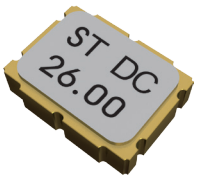


TCXO GPS
STO-3225A

Applications

- GPS

Features

- Small ceramic package / Dimensions (3.2×2.5×1.0)
- High stability ±0.5ppm / -30℃ ~+85℃
- Low current consumption
- Low phase noise
- Clipped sine output (DC coupled)

Specifications

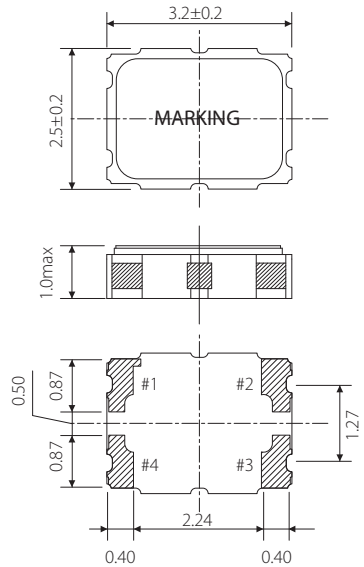
Model		STO-3225A
Nominal frequency (MHz)		16.368, 16.369, 19.2, 24.5535, 26, 27, 27.456
Frequency stability	Tolerance at 25℃	$\pm 2.0 \times 10^{-6}$ (Sixty minutes after reflow)
	Temperature (+25℃ basis)	$\pm 0.5 \times 10^{-6}$ / -30~+85℃
	Supply voltage change	$\pm 0.2 \times 10^{-6}$ / Vdd ± 5%
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

*Reference / Idd Spec

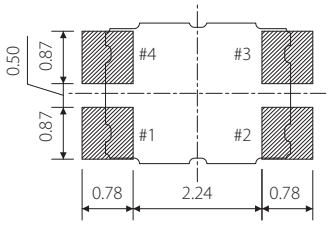
Offset / Frequency stability[MHz]	at 10Hz	at 100Hz	at 1kHz	at 10kHz	Unit
16.368, 19.2	-85(typ.)	-115(typ.)	-135(typ.)	-148(typ.)	dBc/Hz
26.000	-85(typ.)	-110(typ.)	-135(typ.)	-145(typ.)	dBc/Hz

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