



# TCXO GPS STO-2520A

## Applications

- GPS

## Features

- Small ceramic package / Dimensions (2.5 × 2.0 × 0.8)
- High stability ±0.5ppm / -30°C ~ +85°C
- Low current consumption
- Low phase noise
- Clipped sine output (DC coupled)

## Specifications



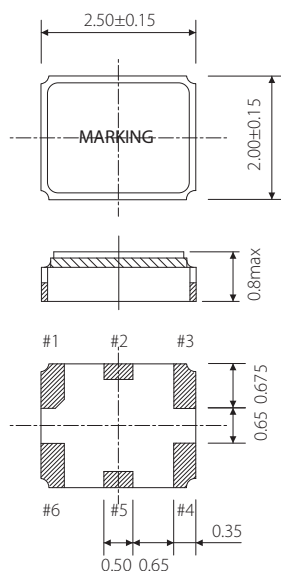
Model		STO-2520A
Nominal frequency (MHz)		16,368, 16,369, 19.2, 23.104, 26, 27.456, 33.6, 38.4 MHz
Frequency stability	Tolerance at 25°C	±2.0 × 10 <sup>-6</sup> (Sixty minutes after reflow)
	Temperature (+25°C basis)	±0.5 × 10 <sup>-6</sup> / -30~+85°C
	Supply voltage change	±0.2 × 10 <sup>-6</sup> / Vdd ±5%
	Load change	±0.2 × 10 <sup>-6</sup> / ZL ±10%
Aging		±1.0 × 10 <sup>-6</sup> / First year
Storage temperature range		-40~+85°C
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

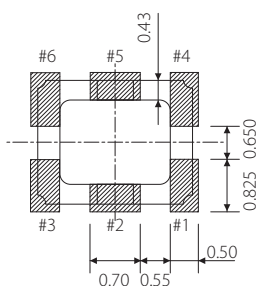
Frequency stability[MHz]	Offset	at 10Hz	at 100Hz	at 1kHz	at 10kHz	Unit
		16.368, 16.369	-90(typ.)	-115(typ.)	-135(typ.)	
26.000	-70(typ.)	-105(typ.)	-130(typ.)	-145(typ.)	dBc/Hz	

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

## Outline and Dimensions [unit:mm]



Example of a Terminal Land Pattern



Terminal	Connection
#1	GND
#2	N.C.
#3	GND
#4	OUTPUT
#5	N.C.
#6	Vdd