

TCXO GPS

TCXO-2520A



Applications

- GPS

Features

- Small ceramic package / Dimensions (2.5×2.0×0.8)
- 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)



Electrical Specifications

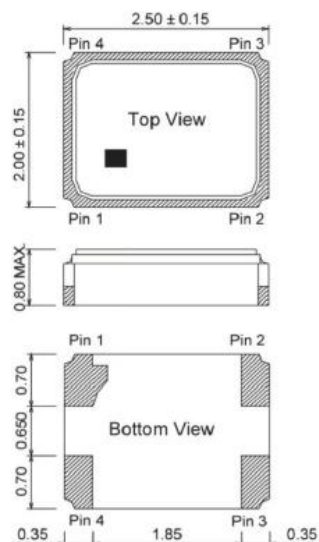
Item / Type		
Nominal frequency (MHz)		16,368, 16,369, 19.2, 23.104, 26, 27.456, 33.6, 38.4 MHz
Frequency stability	Tolerance at 25°C	$\pm 2.0 \times 10^{-6}$ (Sixty minutes after reflow)
	Temperature (+25°C basis)	$\pm 0.5 \times 10^{-6} / -30 \sim +85^{\circ}\text{C}$
	Supply voltage change	$\pm 0.2 \times 10^{-6} / V_{\text{dd}} \pm 5\%$
	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		$-40 \sim +85^{\circ}\text{C}$
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, 16.369		-90(typ.)	-115(typ.)	-135(typ.)	-150(typ.)	dBc/Hz
26.000		-70(typ.)	-105(typ.)	-130(typ.)	-145(typ.)	dBc/Hz

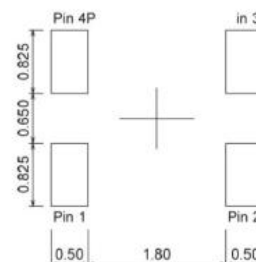
Package quantity: 1,000pcs max./Reel.

Dimensions



Pin Connection

Name	Function
Pin 1	AFC
Pin 2	GND
Pin 3	OUTPUT
Pin 4	VCC



Units: mm