

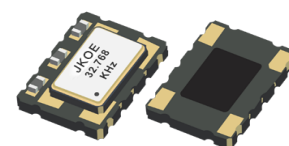


Features

- Package: 7.0x5.0mm SMD
- Output: Clipped Sine Wave/CMOS
- Low power consumption
- RoHS Compliant.

Applications

- Communication Hardware
- LTE, BTS
- GPS Tracking with Hold-Over accuracy
- Test & Measurement Equipment
- Point-to-Point communication networks



RoHS
COMPLIANT

Standard Specifications

Parameter	TCXO SMD7050	
Frequency Range	5~52MHz	
Output Waveform	Clipped Sine Wave	CMOS
Frequency Stability vs. Temperature	$\pm 0.5\text{ppm} \sim 0.05\text{ppm}$	
Operating Temperature	$-55 \sim 85^{\circ}\text{C}$, $-40 \sim 85^{\circ}\text{C}$, $-40 \sim 105^{\circ}\text{C}$	
Frequency Tolerance	$\pm 1.0\text{ppm}$	
Frequency Stability vs. Load	$\pm 0.1\text{ppm}$ ($Z_L \pm 10\%$)	
Frequency Stability vs. Supply Voltage	$\pm 0.1\text{ppm}$ ($V_{DD} \pm 5\%$)	
Load	10K Ω /10pF	15pF
Current consumption	3mA Max	5mA Max
Phase Noise	10MHz: -140dBc/Hz @1kHz(Typ)	
Start up Time	2ms Max	
Supply Voltage	1.8~3.3V ($\pm 5\%$)	
Control Voltage	1.65 $\pm$ 1.0V/1.5 $\pm$ 1.0V/0.9 $\pm$ 0.9V	
Frequency Control Range	$\pm 5 \sim 10\text{ppm}$ / $\pm 10 \sim 15\text{ppm}$	
Aging(at 25 °C)	$\pm 1\text{ppm/year}$	
Storage Temperature	$-55 \sim 125^{\circ}\text{C}$	

Dimensions (Units : mm)

