ACCURATE KINETIC ENERGY

CRYSTAL OSCILLATORS

TCXO Automotive Grade

ACTUAL SIZE: □

TX0E-026000-AKYK500 CERAMIC PACKAGE



APPLICATIONS

- Wi-Fi
- ADAS
- GPS/GNSS
- Vehicle-to-Everything
- Battery Management System

FEATURES

- Seam Seal
- Excellent Solderability
- Low Power Consumption
- RoHS Compliant
- IATF-16949 Certified
- AEC-Q200 Qualified

Specification

MODEL		
FREQUENCY RANGE	**MHz**	13.000 ~ 52.000
FREQUENCY TOLERANCE	**ppm**	± 2.0 Max.
OPERATING TEMPERATURE	**°C**	- 30 ~ + 85 Or - 40 ~ + 85
STORAGE TEMPERATURE	**°C**	- 55 ~ + 125
POWER SUPPLY VOLTAGE	**VDC**	+1.2 ± 5%
FREQUENCY STABILITY		
VS. OPERATING TEMPERATURE*	**ppm**	± 0.5 ~ ± 2.0
VS. POWER SUPPLY VOLTAGE	**ppm (Max.)**	± 0.2
VS. OUTPUT LOAD	**ppm (Max.)**	± 0.2
OUTPUT WAVEFORM		CLIPPED SINEWAVE
OUTPUT LOAD		10KΩ//10pF
OUTPUT LEVEL	**Vp-p (Min.)**	0.8
INPUT CURRENT		
10.000 ~ 52.000MHz	**mA (Max.)**	2.5
PHASE NOISE		
@100Hz offset		-115
@1KHz offset	**dBc/Hz (Typ.)**	-133
@10KHz offset		-146
START UP TIME	**ms (Max.)**	2.0
Enable-Disable Function		Yes
AGING	**ppm/Year**	± 1

*Refer to the middle point between the minimum and maximum frequency values.

**Specification subject to change without notice.

Pin Connection

PIN No.	Connection
#1	**Enable/Disable**
#2	**GND**
#3	**Output**
#4	**VDC**

Enable/Disable Function

Pin #1	Pin #3
HIGH	Frequency Output
LOW	Frequency Halt

Dimension(mm)

