

# Temperature Compensated Crystal Oscillators (TCXO) Surface Mount Type TCXO (LSI Type) KT3225 Series for GPS



3.2×2.5mm



Ph Free

RoHS Compliant

## Features

- Ultra-miniature SMD type (3.2×2.5×1.0mm)
- Frequency stability :  $\pm 0.5 \times 10^{-6}$  / -30 to +85°C
- 2.3 to 3.5V drive available
- Reflow compatible

## Applications

- GPS Units

## How to Order

KT3225F 16369 A C W 28 T xx  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

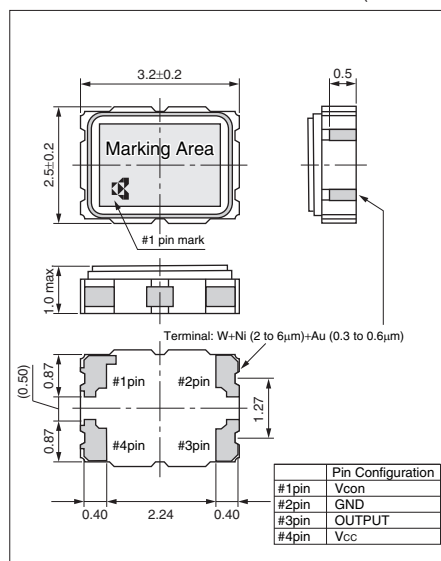
① Series	A	⑥ Supply Voltage	28 2.8V 30 3.0V
② Output Frequency	16369	⑦ Voltage Control Range	TCXO T
③ Frequency Tolerance	A	⑧ Option Code	
④ Lower Operating Temp.	C		
	E		
	G		
⑤ Upper Operating Temp.	W		
	V		
	U		

## Specifications

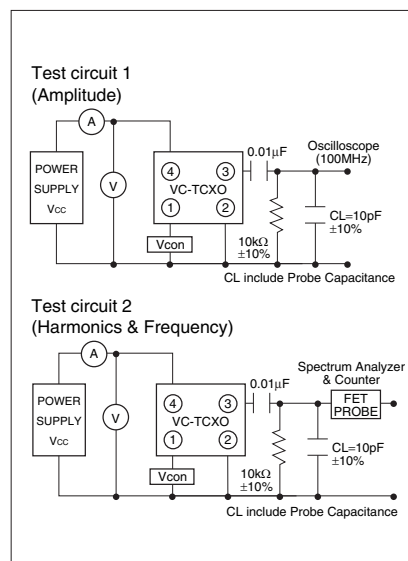
Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	F <sub>o</sub>	Standard Frequency: 16.369, 19.2, 24.5535, 26, 27.456			MHz
Frequency Tolerance	F <sub>tol</sub>	vs Temperature	-0.5	+0.5	×10 <sup>-6</sup>
		vs Load	-0.2	+0.2	
		vs Voltage	-0.3	+0.3	
Frequency Aging	F <sub>aging</sub>	Per Year	-1	+1	×10 <sup>-6</sup>
Storage Temperature Range	T <sub>stg</sub>		-40	+85	°C
Operating Temperature Range	T <sub>use</sub>		-30	+85	°C
Supply Voltage	V <sub>cc</sub>		2.3	3.5	V
Output Level	V <sub>pp</sub>	10k ohm // 10pF	0.8	—	Vp-p
Current Consumption	I <sub>cc</sub>		—	2	mA
Symmetry	SYM	@ 50% V <sub>cc</sub>	40	60	%
Harmonics	—		—	-5	dBc

## Dimensions

(Unit: mm)



## Test Circuit



## Recommended Land Pattern

(Unit: mm)

