



Pb Free

RoHS Compliant

## Features

- Ultra-miniature SMD type (3.2x2.5x1.0mm)
- Reflow compatible
- AFC function available
- 2.3 to 3.5V drive available
- Frequency stability :  $\pm 2.0 \times 10^{-6}$  / -30 to +85°C

## Applications

- 3G (CDMA, W-CDMA)
- GPRS, GSH

## How to Order

KT3225P 26000 D C W 28 T AA  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Series
- ② Output Frequency
- ③ Frequency Tolerance

<b>B</b>	$\pm 1.0 \times 10^{-6}$
<b>C</b>	$\pm 1.5 \times 10^{-6}$
<b>D</b>	$\pm 2.0 \times 10^{-6}$

- ④ Lower Operating Temp.

<b>C</b>	-30°C
<b>E</b>	-20°C
<b>G</b>	-10°C

- ⑤ Upper Operating Temp.

<b>W</b>	+85°C
<b>V</b>	+80°C
<b>U</b>	+75°C

- ⑥ Supply Voltage

<b>28</b>	2.8V	<b>30</b>	3.0V
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- ⑦ Voltage Control Range

<b>TCXO</b>	T
<b>VCTCXO</b>	Customer Spec

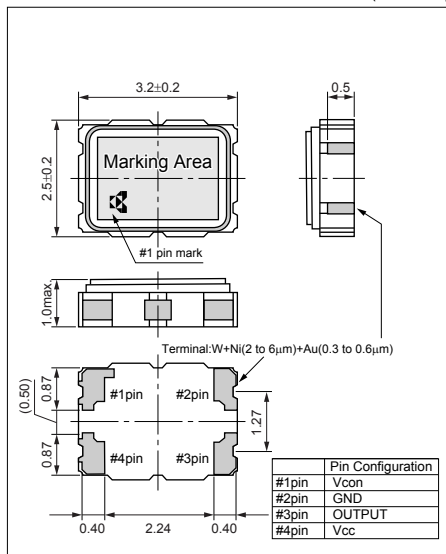
- ⑧ Option Code

## Specifications

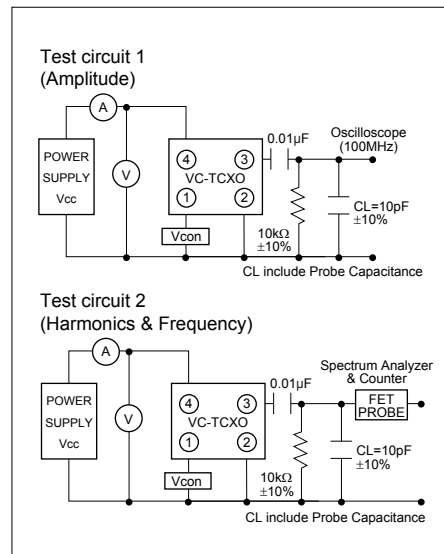
Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency	F <sub>o</sub>		12.6	40	MHz
Frequency Tolerance	F <sub>tol</sub>	vs Temperature	-2	+2	$\times 10^{-6}$
		vs Load	-0.2	+0.2	
		vs Voltage	-0.3	+0.3	
Frequency Aging	F <sub>aging</sub>	Per Year	-1	+1	$\times 10^{-6}$
Storage Temperature Range	T <sub>stg</sub>		-40	+85	°C
Operating Temperature Range	T <sub>use</sub>		-30	+85	°C
Voltage Control Range	$\Delta f/V$	Positive	$\pm 8$	$\pm 15$	$\times 10^{-6}$
Supply Voltage	V <sub>cc</sub>		2.3	3.5	V
Output Level	V <sub>pp</sub>	10k ohm // 10pF	0.8	—	V <sub>p-p</sub>
Current Consumption	I <sub>DD</sub>		—	2	mA
Symmetry	SYM	@50% V <sub>DD</sub>	40	60	%
Harmonics	—		—	-5	dBc

## Dimensions

(Unit : mm)



## Test Circuit



## Recommended Land Pattern

(Unit : mm)

