

Ph Free

RoHS Compliant

**Features**

- Ultra-miniature SMD type (2.0×1.6×0.75mm)
- Frequency deviation :  $\pm 0.5 \times 10^{-6} / -30$  to  $+85^\circ\text{C}$
- 2.3 to 3.6V drive available
- Reflow compatible
- Low driving voltage(1.8V)
- Disable Function } Option

**Applications**

- GPS Unit

**How to Order**

KT2016Y 27456 A C W 28 T xx  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

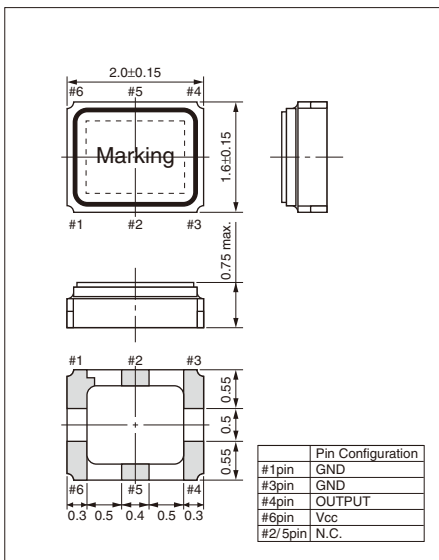
- ① Series
- ② Output Frequency **28** 2.8V **30** 3.0V
- ③ Frequency deviation **A**  $\pm 0.5 \times 10^{-6}$
- ④ Lower Operating Temp. **C**  $-30^\circ\text{C}$   
**E**  $-20^\circ\text{C}$   
**G**  $-10^\circ\text{C}$
- ⑤ Upper Operating Temp. **W**  $+85^\circ\text{C}$   
**V**  $+80^\circ\text{C}$   
**U**  $+75^\circ\text{C}$
- ⑥ Supply Voltage **28** 2.8V **30** 3.0V
- ⑦ Voltage Control Range **T** TCXO
- ⑧ Option Code

**Specifications**

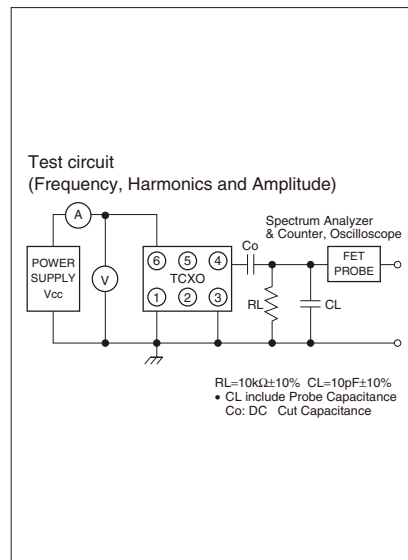
Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	fo	Standard Frequency: 16.368, 16.369, 19.2, 23.104, 24.5535, 26, 27.456	—	—	MHz
Frequency Tolerance	f <sub>tol</sub>	vs Temperature	-0.5	+0.5	$\times 10^{-6}$
		vs Load	-0.1	+0.1	
		vs Voltage	-0.2	+0.2	
Frequency Aging	f <sub>age</sub>	Per Year	-1	+1	$\times 10^{-6}$
Storage Temperature Range	T <sub>stg</sub>		-40	+85	$^\circ\text{C}$
Operating Temperature Range	T <sub>use</sub>		-30	+85	$^\circ\text{C}$
Supply Voltage	V <sub>cc</sub>		2.3	3.6	V
Output Level	V <sub>pp</sub>	10k ohm // 10pF	0.8	—	Vp-p
Current Consumption	I <sub>cc</sub>		—	2	mA
Harmonics	—		—	-5	dBc

**Dimensions**

(Unit: mm)



**Test Circuit**



**Recommended Land Pattern**

(Unit: mm)

