



2.0×1.6mm



AEC-Q100/200



RoHS Compliant

*AEC-Q100 qualified (Option)

Features

- Miniature SMD type (2.0×1.6×0.8mm)
- Freq. temp. characteristics:
: $\pm 2.0 \times 10^{-6}$ / -30 to +85°C
: $\pm 0.5 \times 10^{-6}$ / -30 to +85°C (for GNSS)
- 1.68 to 3.63V available
- Reflow compatible
- Operating Temp. -40 to +105°C (Option)
- Disable Function (Option)

Applications

- Mobile Communications, W-LAN
- Low power radio communications
- GNSS Unit

How to Order

KT2016K 26000 □ □ □ □ □ xx
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

①Series

②Output Frequency

③Freq. Temp. Chrst.

A	$\pm 0.5 \times 10^{-6}$
B	$\pm 1.0 \times 10^{-6}$
C	$\pm 1.5 \times 10^{-6}$
D	$\pm 2.0 \times 10^{-6}$

④Lower Operating Temp.

C	-30°C
E	-20°C
G	-10°C

⑤Upper Operating Temp.

W	+85°C
V	+80°C
U	+75°C

⑥Supply Voltage

18	1.8V	28	2.8V
30	3.0V	33	3.3V

⑦Voltage Control Function

T	TCXO
Spec. Code*	VCTCXO

*Please contact us for Spec. Code.

⑧Individual Specification

Packaging (Tape & Reel 15000 pcs./ reel)

Specifications

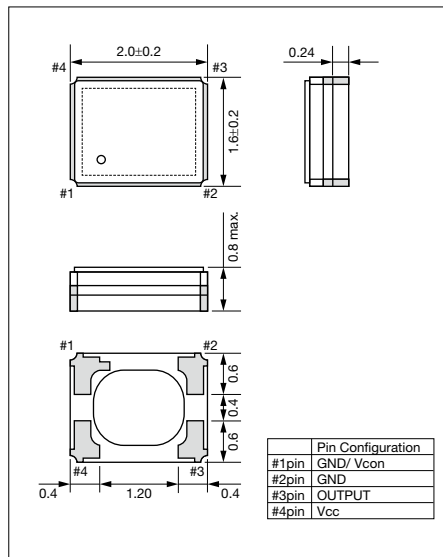
Item	Symbol	Conditions	Min.	Max.	Unit
Output Frequency Range	f_o	Standard Output Frequency: 19.2 / 26.0 / 32.0 / 38.4 / 48.0 / 52.0	19.2	52	MHz
Frequency Tolerance	f_{tol}	vs Temperature	-0.5/ -2	+0.5/ +2	$\times 10^{-6}$
		vs Load	-0.2	+0.2	
		vs Voltage	-0.2	+0.2	
Frequency Aging	f_{age}	Per Year	-1	+1	$\times 10^{-6}$
Storage Temperature Range	T_{stg}		-40	+85	°C
Operating Temperature Range	T_{use}		-30	+85	°C
Voltage Control Range	f_{cont}	Positive	± 8	± 15	$\times 10^{-6}$
Supply Voltage	V_{cc}		1.68	3.63	V
Output Level	V_{pp}	Clipped Sine*, Load: 10k ohm / / 10pF	0.8	—	Vp-p
Current Consumption	I_{cc}		—	2	mA
Harmonics	—		—	-5	dBc

*: A DC-cut capacitor is not embedded in this crystal oscillator. Connect a DC-cut capacitor ($\geq 1nF$) to the line-out terminal of the oscillator.

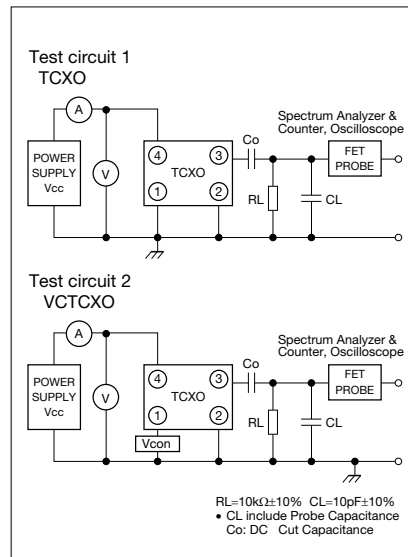
* Please contact us for other specifications.

Dimensions

(Unit: mm)



Test Circuit



Recommended Land Pattern

(Unit: mm)

