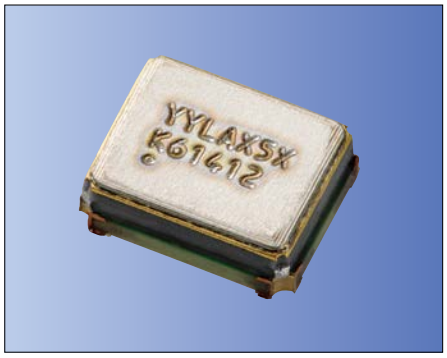
Surface Mount Type TCXO KT2016K Series (Extended Temp. High Stability Type, With Disable Function) 2.0×1.6mm



AEC-Q100/ 200 RoHS Compliant
*AEC-Q100 qualified (Option)
PSL: R4Y MSL1

Features

- Miniature SMD type (2.0×1.6×0.8mm)
- With Disable Function
- Freq. temp. characteristics.
  : ±2.0×10^{-6}/ −40 to +105°C
  : ±0.5×10^{-6}/ −40 to +105°C (for GNSS)
- 1.68 to 3.63V drive available
- Reflow compatible
- Operating Temp. −40 to +125°C (Option)

Applications

- Consumer Products
- Automotive (ITS, IVI, Car Navigation, Infotainment etc.)
- Wireless Comm. (Mobile Communications, Wireless modules, GNSS Unit, Wi-Fi 6 (IEEE802.11ax))
- Industrial Equipment (Networking equipments)

How to Order

KT2016K 26000 □ □ □ □□ N x C
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Series

KT2016K	2016 Size

② Output Frequency

③ Freq. Temp. Chrst.

A	±0.5×10^{-6}
B	±1.0×10^{-6}
C	±1.5×10^{-6}
D	±2.0×10^{-6}

④ Lower Operating Temp.

A	−40°C

⑤ Upper Operating Temp.

Y	+105°C

⑥ Supply Voltage

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

⑦ Disable Function

N	With Disable Function

⑧ Individual Specification

⑨ Extended Temperature High Stability Type

C	Extended Temp. High Stability

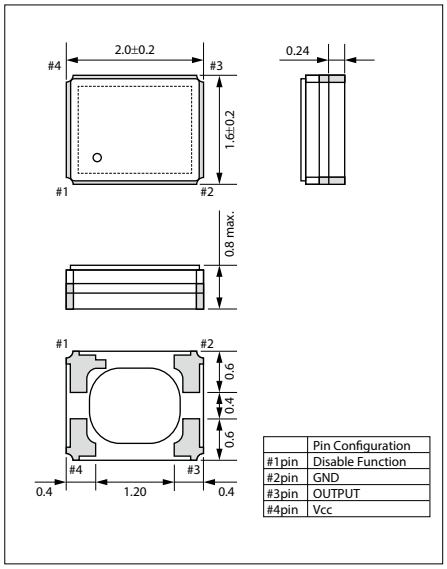
Packaging (Tape & Reel 15000 pcs./ reel)

Specifications

Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	fo	Standard Output Frequency: 25.0 / 26.0 / 48.0 / 49.58 / 50.0 / 52.0	25.0	52.0	MHz
Frequency Tolerance	f_tol	vs Temperature	−0.5/ −2	+0.5/ +2	×10^{-6}
		vs Load	−0.1	+0.1	
		vs Voltage	−0.1	+0.1	
Frequency Aging	f_age	Per Year	−1	+1	×10^{-6}
Storage Temperature Range	T_stg		−40	+105	°C
Operating Temperature Range	T_use		−40	+105	°C
Supply Voltage	Vcc		1.68	3.63	V
Output Level	Vpp	Clipped Sine*, Load: 10k ohm / / 10pF	0.8	—	Vp−p
Current Consumption	Icc		—	4.5	mA
Harmonics	—		—	−5	dBc

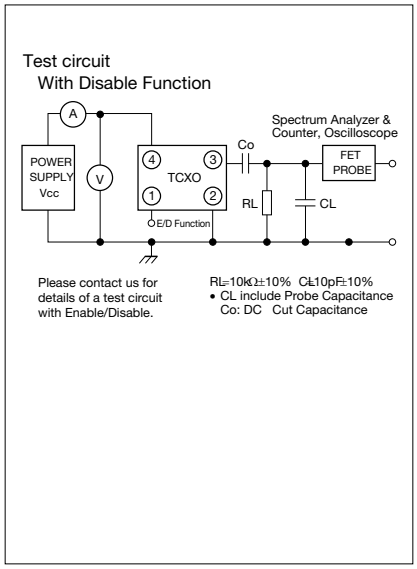
* : A DC-cut capacitor is not embedded in this crystal oscillator. Connect a DC-cut capacitor (≥ 1nF) to the line-out terminal of the oscillator.
* Please contact us for other specifications.

Dimensions (Unit: mm)

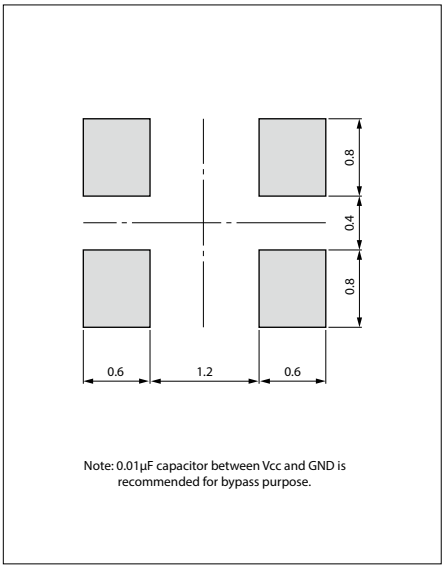


	Pin Configuration
#1pin	Disable Function
#2pin	GND
#3pin	OUTPUT
#4pin	Vcc

Test Circuit



Recommended Land Patter (Unit: mm)



Note: 0.01µF capacitor between Vcc and GND is recommended for bypass purpose.