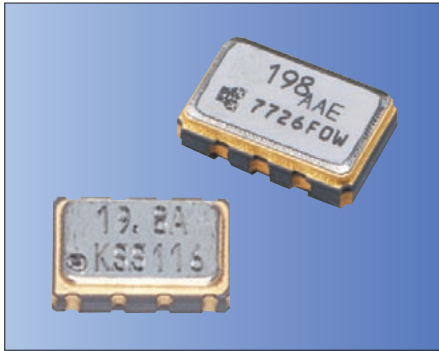


Temperature Compensated Crystal Oscillators (TCXO) Surface Mount Type TCXO (LSI Type) KT5032 Series



5.0×3.2mm



Ph Free

RoHS Compliant

Features

- Ultra-miniature SMD type (5.0×3.2×1.5mm)
- Reflow compatible
- AFC function available
- 2.3 to 5.5V drive available
- Frequency stability : $\pm 2.0 \times 10^{-6} / -30$ to $+85^\circ\text{C}$

Applications

- PDC, GSM, CDMA

How to Order

KT5032N 26000 D C W 28 T xx
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

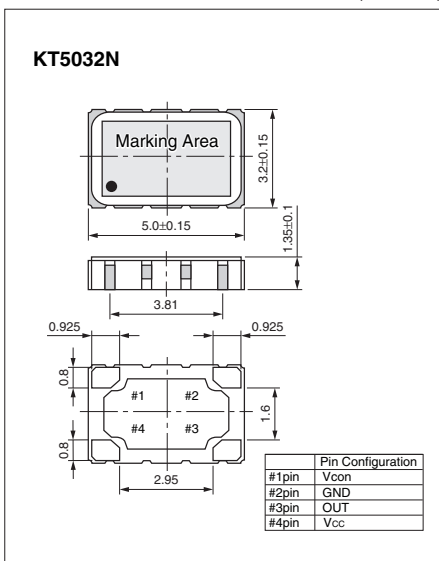
- ① Series
② Output Frequency
③ Frequency Tolerance
- | | |
|---|--------------------------|
| B | $\pm 1.0 \times 10^{-6}$ |
| C | $\pm 1.5 \times 10^{-6}$ |
| D | $\pm 2.0 \times 10^{-6}$ |
- ④ Lower Operating Temp.
- | | |
|---|---------------------|
| C | -30°C |
| E | -20°C |
| G | -10°C |
- ⑤ Upper 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
- | | |
|--------|----------------|
| TCXO | T |
| VCTCXO | Customer Spec. |
- ⑧ Option Code

Specifications

Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	f_o	Standard Frequency: 13, 19.2, 26, 38.4	13	40	MHz
Frequency Tolerance	f_{tol}	vs Temperature	-2	+2	$\times 10^{-6}$
		vs Load	-0.2	+0.2	
		vs Voltage	-0.3	+0.3	
Frequency Aging	f_{age}	Per Year	-1	+1	$\times 10^{-6}$
Storage Temperature Range	T_{stg}		-40	+85	$^\circ\text{C}$
Operating Temperature Range	T_{use}		-30	+85	$^\circ\text{C}$
Voltage Control Range	f_{cont}	Positive	± 8	± 15	$\times 10^{-6}$
Supply Voltage	V_{CC}		2.3	5.5	V
Output Level	V_{pp}	10k ohm // 10pF	0.8	—	Vp-p
Current Consumption	I_{CC}		—	2	mA
Harmonics	—		—	-5	dBc

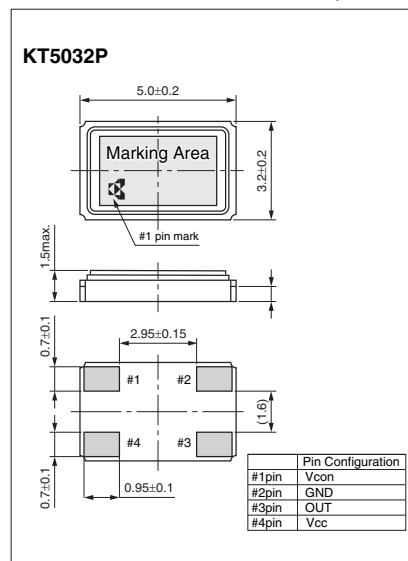
Dimensions

(Unit: mm)



Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

