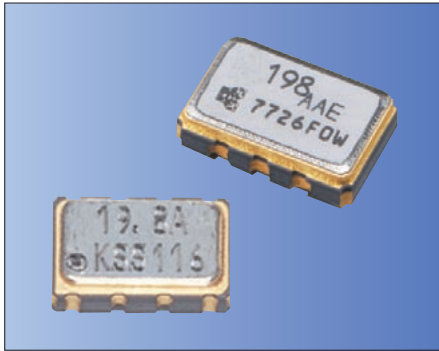


Temperature Compensated Crystal Oscillators (TCXO) Surface Mount Type TCXO (LSI Type) KT5032 Series



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 : ±2.0×10⁻⁶/-30 to +85°C

Applications

- PDC, GSM, CDMA

How to Order

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

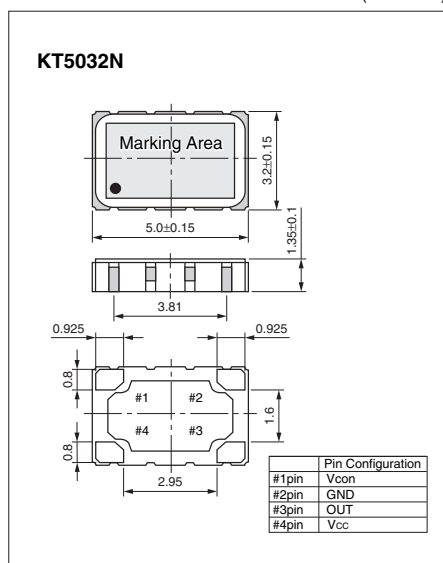
- ① Series
② Output Frequency
③ Frequency Tolerance
- | | |
|---|-----------------------|
| B | ±1.0×10 ⁻⁶ |
| C | ±1.5×10 ⁻⁶ |
| D | ±2.0×10 ⁻⁶ |
- ④ Lower Operating Temp.
- | | |
|---|-------|
| C | -30°C |
| E | -20°C |
| G | -10°C |
- ⑤ Upper Operating Temp.
- | | |
|---|-------|
| W | +85°C |
| V | +80°C |
| U | +75°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	×10 ⁻⁶
		vs Load	-0.2	+0.2	
		vs Voltage	-0.3	+0.3	
Frequency Aging	f _{age}	Per Year	-1	+1	×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	×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

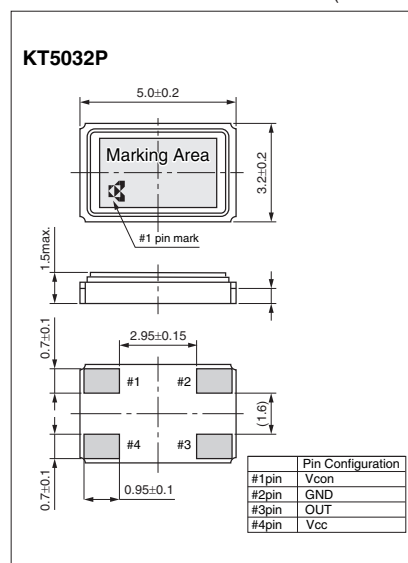
Dimensions

(Unit: mm)



Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

