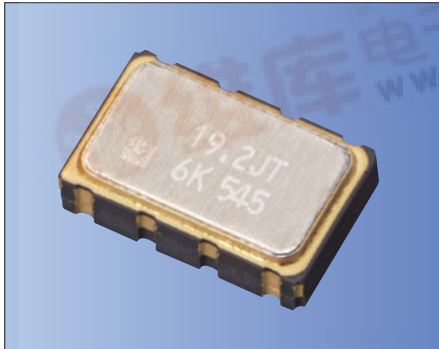


# Temperature Compensated Crystal Oscillators (TCXO) Surface Mount Type TCXO (LSI Type) KT5032 Series



5.0×3.2mm



Pb 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<sup>-6</sup>/-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

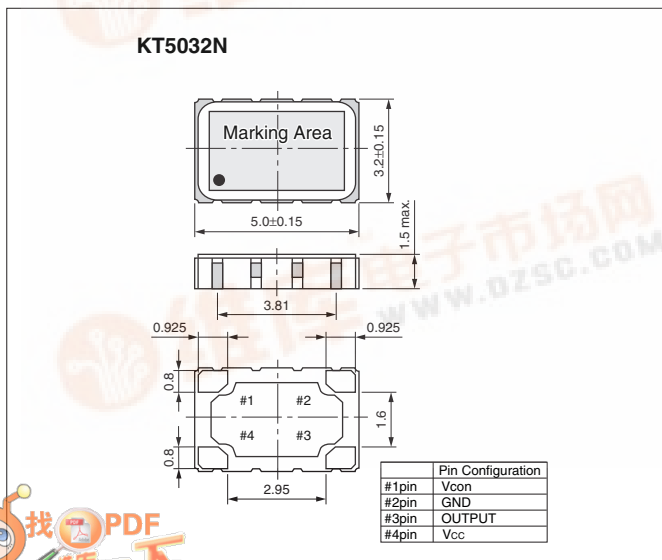
- ① Series
  - ② Output Frequency
  - ③ Frequency Tolerance
  - ④ Lower Operating Temp.
  - ⑤ Upper Operating Temp.
  - ⑥ Supply Voltage
  - ⑦ Voltage Control Range
  - ⑧ Option Code
- |          |                       |                              |      |           |      |
|----------|-----------------------|------------------------------|------|-----------|------|
| <b>B</b> | ±1.0×10 <sup>-6</sup> | <b>28</b>                    | 2.8V | <b>30</b> | 3.0V |
| <b>C</b> | ±1.5×10 <sup>-6</sup> | <b>TCXO</b>                  |      | <b>T</b>  |      |
| <b>D</b> | ±2.0×10 <sup>-6</sup> | <b>VCTCXO</b> Customer Spec. |      |           |      |
- |          |       |
|----------|-------|
| <b>C</b> | -30°C |
| <b>E</b> | -20°C |
| <b>G</b> | -10°C |
- |          |       |
|----------|-------|
| <b>W</b> | +85°C |
| <b>V</b> | +80°C |
| <b>U</b> | +75°C |

### Specifications

Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	f <sub>o</sub>	Standard Frequency: 13, 19.2, 26, 38.4	13	40	MHz
Frequency Tolerance	f <sub>tol</sub>	vs Temperature	-2	+2	×10 <sup>-6</sup>
		vs Load	-0.2	+0.2	
		vs Voltage	-0.3	+0.3	
Frequency Aging	f <sub>age</sub>	Per Year	-1	+1	×10 <sup>-6</sup>
Storage Temperature Range	T <sub>stg</sub>		-40	+85	°C
Operating Temperature Range	T <sub>use</sub>		-30	+85	°C
Voltage Control Range	f <sub>cont</sub>	Positive	±8	±15	×10 <sup>-6</sup>
Supply Voltage	V <sub>cc</sub>		2.3	5.5	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)



### Recommended Land Pattern

(Unit: mm)

