



Ph Free

RoHS Compliant

Features

- Ultra-miniature SMD type (5.0×3.2×1.5mm)
- Reflow compatible
- AFC function available
- 2.4 to 5.5V drive available
- Frequency deviation : ±2.0×10⁻⁶/ -30 to +85°C

Applications

- Low power radio communications etc.

How to Order

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

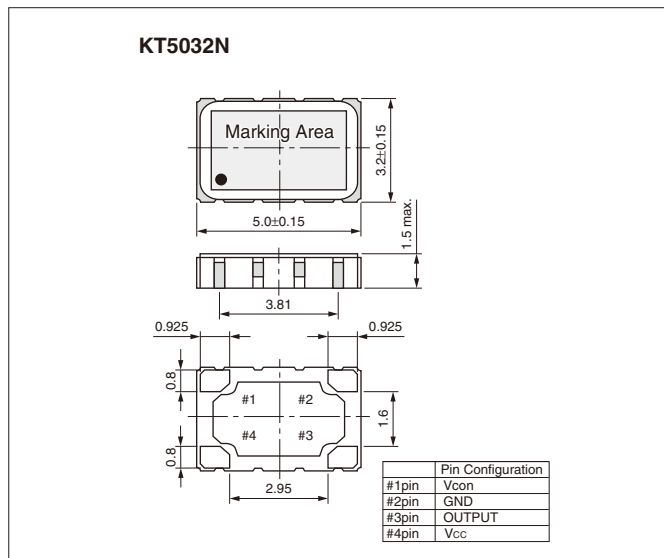
- ① Series
 - ② Output Frequency
 - ③ Frequency deviation
 - ④ Lower Operating Temp.
 - ⑤ Upper Operating Temp.
 - ⑥ Supply Voltage
 - ⑦ Voltage Control Range
 - ⑧ Option Code
- | | | | |
|---------------|-----------------------|-----------|------|
| 28 | 2.8V | 30 | 3.0V |
| B | ±1.0×10 ⁻⁶ | | |
| C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

Specifications

| Item | Symbol | Conditions | Min. | Max. | Units |
|-----------------------------|-------------------|--|------|------|-------------------|
| Output Frequency Range | f _o | Standard Frequency: 12.8, 13, 16.8, 20, 40 | 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} | | 2.4 | 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)



Recommended Land Pattern

(Unit: mm)

