

Temperature Compensated Crystal Oscillators (TCXO) Surface Mount Type TCXO (LSI Type) KT2520 Series



2.5×2.0mm



Ph Free

RoHS Compliant

Features

- Ultra-miniature SMD type (2.5×2.0×0.8mm)
- AFC function available
- Frequency stability
: ±2.0×10⁻⁶/-30 to +85°C
- 1.7 to 3.5V drive available
- Reflow compatible

Applications

- 3G (CDMA, W-CDMA), GPRS, GSM

How to Order

KT2520F 26000 D C W 28 T xx
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

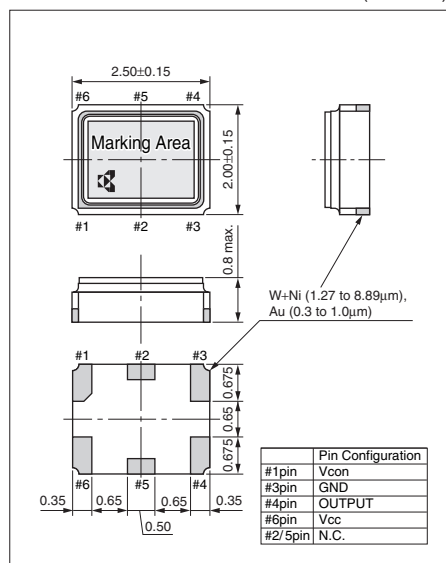
- ① Series
② Output Frequency
③ Frequency Tolerance
- | | |
|---|-----------------------|
| B | ±1.0×10 ⁻⁶ |
| C | ±1.5×10 ⁻⁶ |
| D | ±2.0×10 ⁻⁶ |
- ④ Lower Operating Temp.
- | | |
|---|-------|
| C | -30°C |
| E | -20°C |
| G | -10°C |
- ⑤ Upper Operating Temp.
- | | |
|---|-------|
| W | +85°C |
| 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

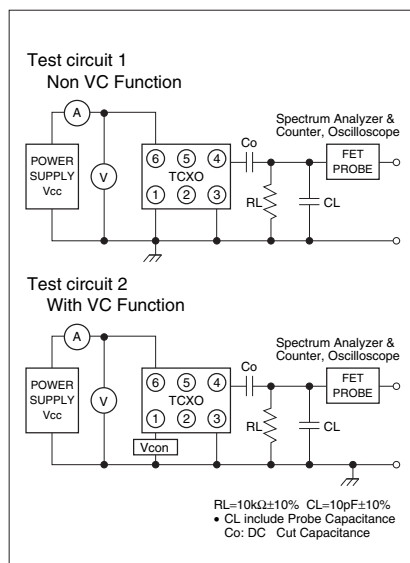
Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	f _o	Standard Frequency: 13, 19.2, 26, 38.4, 52	13	52	MHz
Frequency Tolerance	f _{tol}	vs Temperature	-2	+2	×10 ⁻⁶
		vs Load	-0.1	+0.1	
		vs Voltage	-0.2	+0.2	
Frequency Aging	f _{age}	Per Year	-1	+1	×10 ⁻⁶
Storage Temperature Range	T _{stg}		-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}		1.7	3.5	V
Output Level	V _{pp}	10k ohm // 10pF	0.8	—	Vp-p
Current Consumption	I _{CC}		—	2	mA
Harmonics	—		—	-5	dBc

Dimensions

(Unit: mm)



Test Circuit



Recommended Land Pattern

(Unit: mm)

