

Pb Free

RoHS Compliant

Features

- High stability and high reliability
- 2.7 to 5.5V drive available
- CMOS output / CS output
- Low phase noise

Applications

- Femto cell, Stratum3

How to Order

For Femto cell (Standard Spec.)

Frequency deviation (vs Temp.): $\pm 0.1 \times 10^{-6} / 0^\circ\text{C}$ to 70°C

KT7050 A 26000 A J T 33 T AB
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

For Stratum3 (Standard Spec.)

Frequency deviation (vs Temp.): $\pm 0.28 \times 10^{-6} / -40^\circ\text{C}$ to 85°C

KT7050 A 26000 K A W 33 T AB
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

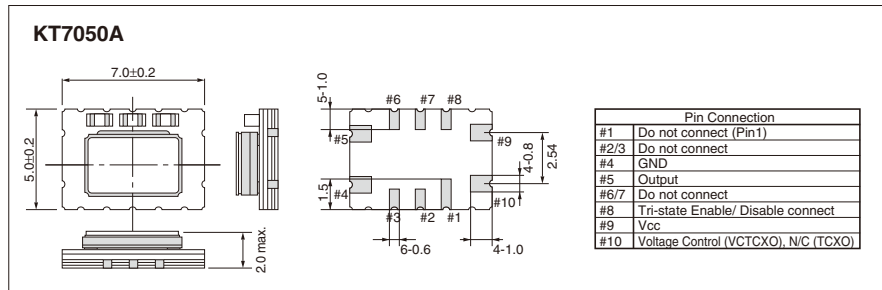
- | | |
|------------------------------------|-------------------------|
| ① Series | ⑥ Upper Operating Temp. |
| ② Land Type | T +70°C |
| A 10Pads | W +85°C |
| B 4Pads | ⑦ Supply Voltage |
| ③ Output Frequency | 33 3.3V |
| ④ Frequency deviation | ⑧ Voltage Control Range |
| A $+0.1 \times 10^{-6}$ | T TCXO |
| K $\pm 0.28 \times 10^{-6}$ | Other* VCTCXO |
| ⑤ Lower Operating Temp. | * Customer Spec. |
| A -40°C | ⑨ Option Code |
| J 0°C | |

Specifications

Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	f _o	Standard Frequency: 26, 19.2, 20, 10, 19.44, 12.8, 16.368, 20.48	—	—	MHz
Frequency Tolerance	f _{tol}	vs Temperature (0 to +70°C) $[\pm(f_{\text{max}}-f_{\text{min}}) / 2f_0]$	-0.1	+0.1	$\times 10^{-6}$
		vs Temperature (-40 to +85°C) $[\pm(f_{\text{max}}-f_{\text{min}}) / 2f_0]$	-0.28	+0.28	
		vs Voltage	-0.1	+0.1	
Supply Voltage	V _{CC}		+2.7	+5.5	V
Current Consumption	I _{CC}	@26MHz CMOS output	—	5	mA
Frequency Aging	f _{age}	20years @40°C	-4.6	+4.6	$\times 10^{-6}$
Voltage Control Range	f _{cont}	Positive *100k ohm min	± 5	± 20	$\times 10^{-6}$
Output Level	V _{pp}	@ CS output, Load: 10k ohm // 10pF	0.8	—	V _{p-p}
Low Level Output Voltage	V _{OL}	@ CMOS output, Load: 15pF I _{OL} =4mA	—	10% V _{CC}	V
High Level Output Voltage	V _{OH}	@ CMOS output, Load: 15pF I _{OH} =-4mA	90% V _{CC}	—	V
Rise / Fall Time (10%V _{CC} to 90%V _{CC})	tr/ tf	@ CMOS output, Load: 15pF	—	5	ns
Symmetry	SYM	@50% V _{CC}	45	55	%
Phase Noise @26MHz	—	- 90 (@ 10Hz offset) - 120 (@ 100Hz offset) - 140 (@ 1kHz offset) - 150 (@ 10kHz offset) - 150 (@ 100kHz offset)			dBc/ Hz

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

