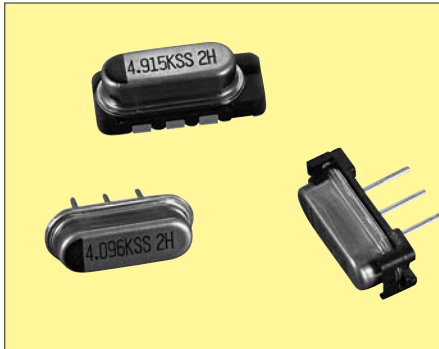


CMOS/ 5.0V



Ph Free

RoHS Compliant

Features

- Compact oscillator with a CMOS IC built in that is the same shape (height 3.5mm) as a crystal device
- It is a hermetic sealed type with a metal case
- The case comes with a grounding terminal
- It is also possible to attach a stand-off (option)
- It is provided with multiple standard frequencies

Applications

- Amusement

How to Order

KCJXOx- 20.0000 C 5 1 C 00
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Type (KCJXO5 or KCJXO7)
- ② Output Frequency
- ③ Output Type (CMOS)
- ④ Supply Voltage (5.0V)
- ⑤ Frequency Tolerance
- ⑥ Symmetry/ Enable Function (40/ 60%)
- ⑦ Customer Special Model Suffix
 "00" for Standard Specifications
 "S0" for Stand-off Type
 "F0" for SMD Type

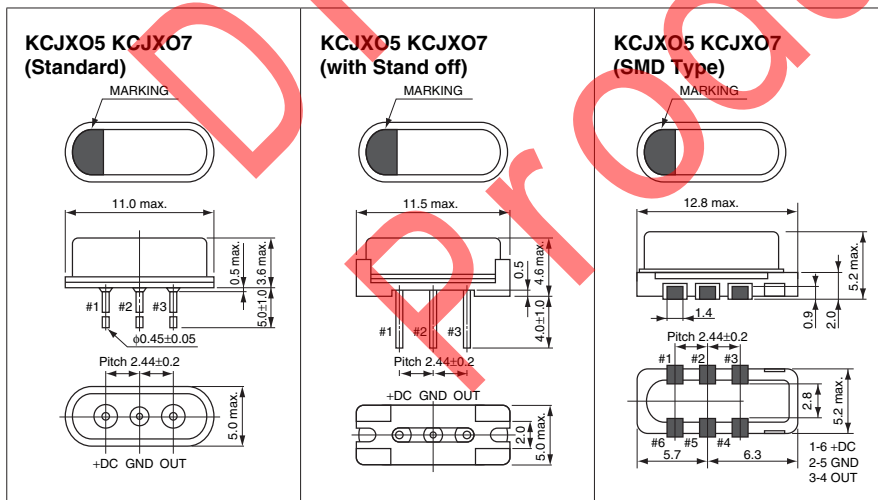
Specifications

| Item | Symbol | Conditions | Specifications | | Units |
|-------------------------------|------------------|-----------------------------|---------------------|---------------------|-------------------|
| | | | Min. | Max. | |
| Output Frequency Range | F _o | KCJXO5 Type KCJXO7 Type | 1 20.1 | 20 70 | MHz |
| Frequency Tolerance (Overall) | F _{tol} | | -100 | +100 | ×10 ⁻⁶ |
| Storage Temperature Range | T _{stg} | | -20 | +80 | °C |
| Operating Temperature Range | T _{use} | | -10 | +70 | °C |
| Supply Voltage | V _{CC} | | 4.5 | 5.5 | V |
| Current Consumption | I _{CC} | KCJXO5 Type (1 to 20MHz) | — | 20 | mA |
| | | KCJXO7 Type (20.1 to 50MHz) | — | 25 | |
| | | KCJXO7 Type (50.1 to 70MHz) | — | 50 | |
| Symmetry | SYM | @ 50% V _{CC} | 40 | 60 | % |
| Rise/ Fall Time | tr/ tf | KCJXO5 Type (1 to 20MHz) | — | 20 | nS |
| | | KCJXO7 Type (20.1 to 50MHz) | — | 15 | |
| | | KCJXO7 Type (50.1 to 70MHz) | — | 10 | |
| Low Level Output Voltage | V _{OL} | | — | 10% V _{CC} | V |
| High Level Output Voltage | V _{OH} | | 90% V _{CC} | — | V |
| Output Load | CL | KCJXO5 Type (1 to 20MHz) | — | 50 | pF |
| | | KCJXO7 Type (20.1 to 70MHz) | — | 15 | |
| Start-up Time | t _{str} | KCJXO5 Type (1 to 20MHz) | — | 3 | mS |
| | | KCJXO7 Type (20.1 to 70MHz) | — | 10 | |

Note: All electrical characteristics are defined at the maximum load and operating temperature range.
 Please contact us for inquiries about operating temperature range, available frequencies and other conditions.

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

