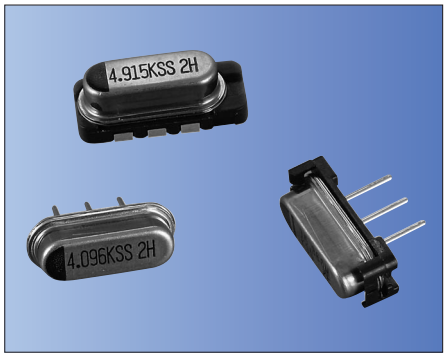
Clock Oscillators Leaded Type
KCJXO Series (JXO Series)

KYOCERA

CMOS/ 5.0V

This product is NOT recommended for new designs.



Pb 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
- Digital Electronics

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

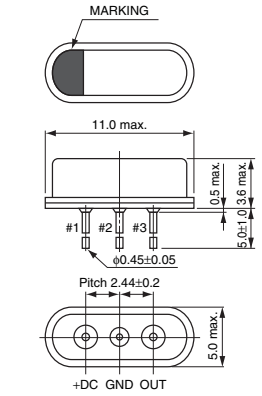
Item	Symbol	Conditions	Specifications Min.	Specifications Max.	Units
Output Frequency Range	fo	KCJXO5 Type	1	20	MHz
		KCJXO7 Type	20.1	70	
Frequency Tolerance (Overall)	f_tol		−100	+100	×10⁻⁶
Storage Temperature Range	T_stg		−20	+80	°C
Operating Temperature Range	T_use		−10	+70	°C
Supply Voltage	Vcc		4.5	5.5	V
Current Consumption	Icc	KCJXO5 Type (1 to 20MHz)	—	20	mA
		KCJXO7 Type (20.1 to 50MHz)	—	25	
		KCJXO7 Type (50.1 to 70MHz)	—	50	
Symmetry	SYM	@50% Vcc	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	VOL		—	10% Vcc	V
High Level Output Voltage	VOH		90% Vcc	—	V
CMOS Load	L_CMOS	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 inquiry about operating temperature range, available frequencies and other conditions.

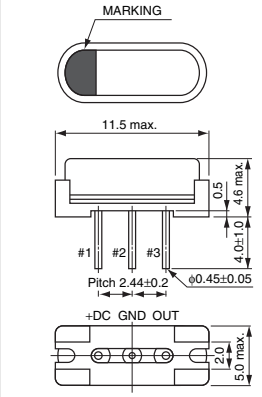
Dimensions

(Unit: mm)

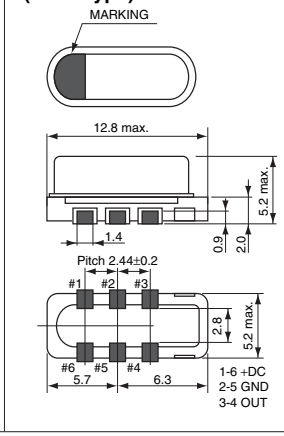
KCJXO5 KCJXO7 (Standard)



KCJXO5 KCJXO7 (with Stand off)



KCJXO5 KCJXO7 (SMD Type)



A capacitor of value 0.01μF between Vcc and GND is recommended.

Recommended Land Pattern

(Unit: mm)

KCJXO SMD Type