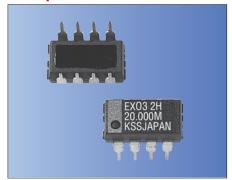




CMOS/5.0V

This product is NOT recommended for new designs.

RoHS Compliant



Features

- · Since it has a frequency deviding function, it is able to obtain a frequency devision of $^{1}/_{2}$ to $^{1}/_{2}^{8}$ ($^{1}/_{256}$)
- The symmetry of frequency devided output is within 50 $\pm\,2\%$
- · The oscillation start time has the fast starting characteristic of being 1.5m sec. or less
- The pin arrangement is DIP 8PIN
- Supply voltage V cc =5.0V

Applications

- Amusement
- · Digital Electronics

How to Order

KCEXO3-	20.0000	<u>C</u>	<u>5</u>	1	<u>B</u>	00
1	2	3	4	⑤	6	7

- ① Type
- 2 Output Frequency
- 3 Output Type (CMOS)
- 4 Supply Voltage (5.0V)
- **(5)** Frequency Tolerance
- **6** Symmetry/ Enable Function (40/60%, Stand-by)
- (7) Customer Special Model Suffix (STD Specification is "00")

Specifications

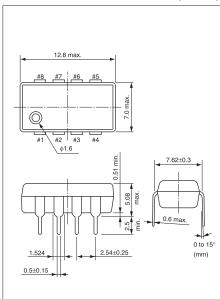
Pb Free

lkana	Symbol	Conditions	Specifications		I I a te a
ltem		Conditions	Min.	Max.	Units
Output Frequency Range	fo		11.0592	24.576	MHz
Frequency Tolerance (Overall)	f_tol		-100	+100	×10 ⁻⁶
Storage Temperature Range	T_stg		-40	+85	°C
Operating Temperature Range	T_use		-10	+70	°C
Supply Voltage	Vcc		4.5	5.5	V
Current Consumption	Icc		_	20	mA
Stand-by Current	I_std		_	10	μΑ
Symmetry	SYM	@50% V cc	40	60	%
Rise/ Fall Time	tr/ tf		_	15	nS
Low Level Output Voltage	Vol		_	10% V cc	V
High Level Output Voltage	Vон		90% V cc	_	V
CMOS Load	L_CMOS		_	50	pF
Disable Time	t _dis		_	100	nS
Enable Time	t _ena			5	mS
Start-up Time	t _str			1.5	mS

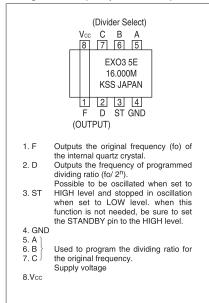
Note: All electrical characteristics are defined at the maximum load and operating temperature range. Please contact us for inquiry about operating temperature range, available frequencies and other conditions.

Dimensions

(Unit: mm)



Settings of the frequency devision output



A capacitor of value 0.01 $\,\mu F$ between V $\,cc$ and GND is

Pin connection

Input				Output		
Select		ST	F	D Divided		
С	В	Α	31	Original Frequency	Wave form	
L	L	L	Н	fo clock	fo• 1/2 clock	
L	L	Н	Н	fo clock	fo• 1/ 2 ² clock	
L	Н	L	Н	fo clock	fo• 1/2³ clock	
L	Н	Н	Н	fo clock	fo• 1/24 clock	
Н	L	L	Н	fo clock	fo• 1/25 clock	
Н	L	Н	Н	fo clock	fo• 1/26 clock	
Н	Н	L	Н	fo clock	fo• 1/27 clock	
Н	Н	Н	Н	fo clock	fo• 1/ 2 ⁸ clock	
	_		L	L	L	