



KXO-01 Series Crystal Clock Oscillators

TTL Drive - TTL Compatible - f_o : 4.0 to 50MHz

FEATURES

- 1) Lower Cost
- 2) 14 pin DIP pin compatible
- 3) Wide frequency range (4MHz to 50 MHz)
- 4) All metal package minimizes RF radiation
- 5) Meets FCC EMI specifications
- 6) Solder coated pins

HOW TO ORDER

KXO-01-1-32.0000M

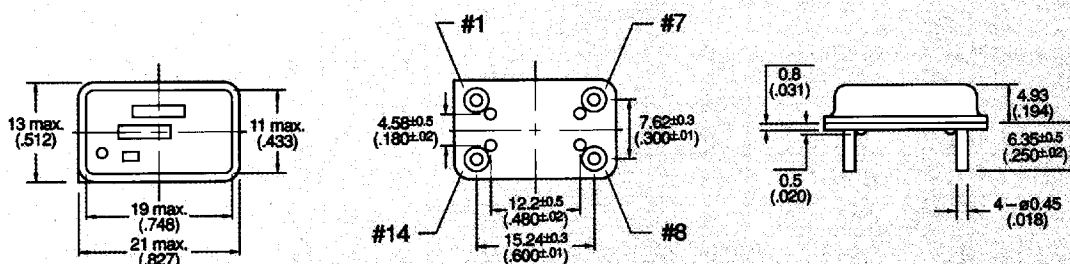
- ① Type (Kyocera Crystal Oscillators)
 ② Frequency precision:
 0= ± 50 ppm (special)
 1= ± 100 ppm
 ③ Frequency



SPECIFICATIONS: (KXO-01)

Classification		Code	Rating	Unit	Remarks
Output Frequency		f_{out}	4 to 50	MHz	
Frequency Precision		$\Delta f/f$	0: ± 50 1: ± 100	ppm ppm	0 to 70°C 4.5V to 5.5V
Operating Temperature Range		T_{opr}	0 to +70	°C	
Storage Temperature Range			-50 to +125	°C	
Voltage		V_{DD}	5 $\pm$ 0.5	VDC	
Electrical Current Consumption		I_{DD}	35 Max	mA	
Output	Duty Ratio	S_y	40 to 60	%	1.4V DC level
	"0" Level	V_{OL}	0.4 Max	V	At $I_{OL}=16$ mA
	"1" Level	V_{OH}	2.4 Min	V	At $I_{OH}=400\mu$ A
	Rise and Fall Time	T_R, T_F	15 Max 10 Max	nsec nsec	4-32MHz 32.1 - 50 MHz
Fan Out	Fan Out		1 to 10 TTL		

DIMENSIONS:

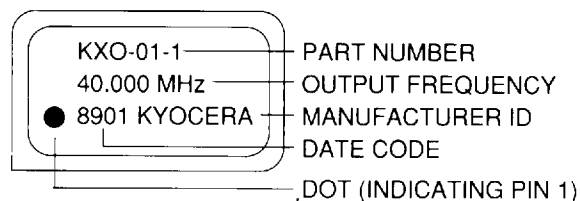


Units: mm (inch)

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MARKING:



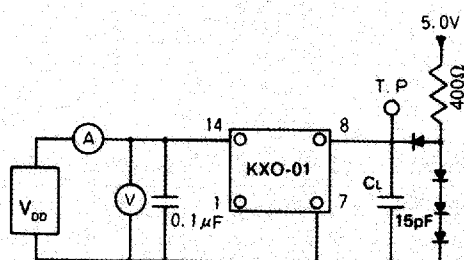
PIN CONNECTION:

1	N.C.
7	CASE GND
8	OUT PUT
14	+5.0V D.C.

Standard Frequency List KXO-01

4.000 MHz	16.000 MHz	28.63636 MHz
4.9152 MHz	16.257 MHz	30.000 MHz
8.000 MHz	19.6608 MHz	32.000 MHz
9.8304 MHz	20.000 MHz	36.000 MHz
10.000 MHz	24.000 MHz	40.000 MHz
12.000 MHz	25.175 MHz	44.900 MHz
14.31818 MHz	28.322 MHz	50.000 MHz

TEST CIRCUIT



$C_L = 15\text{pF max}$
 (Inclusive of test jig and
 probe capacitance)

SHAPE OF OUTPUT WAVE

