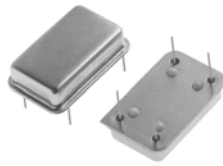


## Full Size Clock Oscillators TTL Compatible



The XO-43 series oscillator is TTL compatible and features fast rise/fall times with high reliability at low cost. The metal package with pin#7 case ground acts as shielding to minimize EMI radiation.

### FEATURES

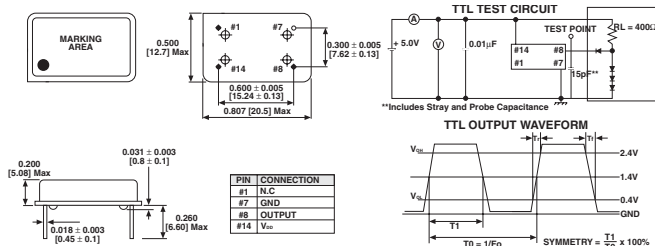
- 10TTL output load
- 14 pin fill size
- Industry standard
- Wide frequency range
- Resistance weld package
- 100 % Lead (Pb)-free and RoHS compliant


**RoHS**  
COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS			
PARAMETER	SYMBOL	CONDITION	XO-43
Frequency Range	$F_O$		4.0MHz ~ 60.00MHz
Frequency Stability*		All Condition*	$\pm 25\text{ppm}$ , $\pm 50\text{ppm}$ , $\pm 100\text{ppm}$
Operating Temperature Range	$T_{OPR}$		$0^\circ\text{C} \sim 70^\circ\text{C}$ ( $-40^\circ\text{C} \sim +85^\circ\text{C}$ option)
Storage Temperature Range	$T_{STG}$		$-55^\circ\text{C} \sim +125^\circ\text{C}$
Power Supply Voltage	$V_{DD}$		$5.0\text{V} \pm 10\%$
Aging (First Year)		$25^\circ\text{C} \pm 3^\circ\text{C}$	$\pm 5\text{ppm}$
Supply Current	$I_{DD}$	4.0MHz to 9.999MHz	40mA Max
		10.000MHz to 23.999MHz	30mA Max
		24.000MHz to 60.000MHz	60mA Max
Output Symmetry	Sym	At 1.4V	40/60%
Rise and Fall time	$T_r/T_f$	4.0MHz to 9.999MHz	10 nS Max
		10.0MHz to 23.999MHz	8 nS Max
		24.0MHz to 60.0MHz	4 nS Max
Output Voltage	$V_{OH}$		2.4 V Min
	$V_{OL}$		0.4 V Max
Output Load	TTL Load		1 ~ 10TTL
Start-up Time		$T_s$	10mS Max

\*Include:  $25^\circ\text{C}$  tolerance, operating temperature range, input voltage change, aging, load change, shock and vibration.

### DIMENSIONS in inches [millimeters]



ORDERING INFORMATION				
<b>XO-43</b>	<b>B</b>	<b>R</b>	<b>40M</b>	<b>e2</b>
MODEL	FREQUENCY STABILITY	OTR	FREQUENCY/MHz	JEDEC LEAD FREE STANDARD
	AA = 0.0025% (25PPM) A = 0.005% (50PPM) B = 0.01% (100PPM) Standard	Blank = $0^\circ\text{C}$ to $+70^\circ\text{C}$ R = $-40^\circ\text{C}$ to $+85^\circ\text{C}$		

GLOBAL PART NUMBER											
X	O	4	3	C	T	B	N	A	4	0	M
MODEL				FREQUENCY STABILITY	OTR	PACKAGE CODE	OPTIONS		FREQUENCY		