

SXO-33 HYBRID CLOCK OSCILLATORS

T-50-23

CERAMIC PACKAGE
TTL COMPATIBLE
4MHZ TO 60MHZ

MODEL	SXO-33
Frequency Range	4MHz to 60MHz
Frequency Stability	See Frequency Chart at Right
Operating Temperature	0°C to 70°C
Storage Temperature	-55°C to 125°
Input Voltage	+5V ± 0.5V
Input Current	(mA)
4.0MHz to 15.9MHz	40 max. / 30 typ.
16.0MHz to 25.0MHz	70 max. / 60 typ.
25.1MHz to 60.0MHz	50 max. / 40 typ.
TTL Output Symmetry (0° to 70°)	60/40% @ 1.4V
Output Rise / Fall Time (4 to 2.4 V Levels)	
4.0MHz to 15.9MHz	10 nSec. typ. / 15 nSec. max.
16.0MHz to 25.0MHz	3 nSec. typ. / 10 nSec.
25.1MHz to 60.0MHz	3 nSec. typ. / 5 nSec. max.
"0" / "1" Level	0.5 max. / 2.4 min.
Output Load	1 to 10 TTL Loads

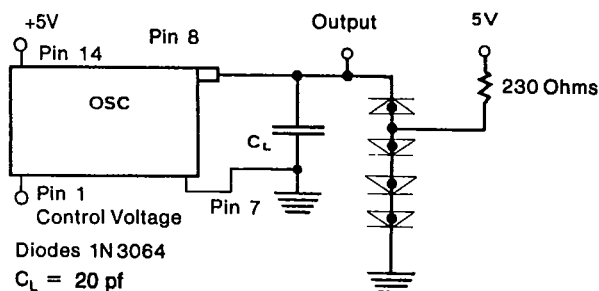
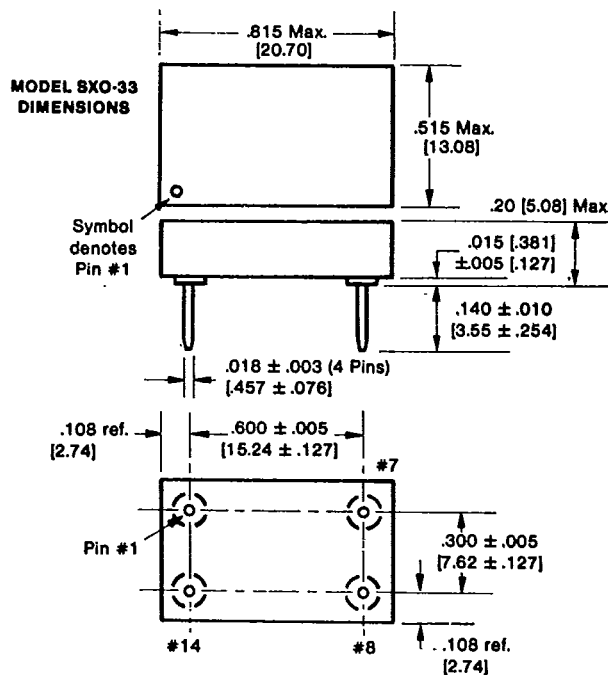
How To Order

SXO-33 **A** **25**
PART NO. CODE FREQ. ACCURACY FREQ./MHZ
(All Conditions)

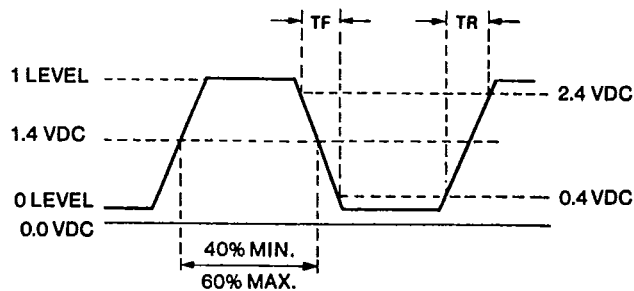
A = ±.005% (±50 PPM)
B = ±.01% (±100 PPM)
C = ±.05% (±500 PPM)
D = ±.1 (±1000 PPM)
E = ±.0025 (±25 PPM)

PIN	CONNECTION
1	NC
7	GND
8	Output
14	+5V

PIN Configuration



TTL Load Circuit



TTL Wave Shape