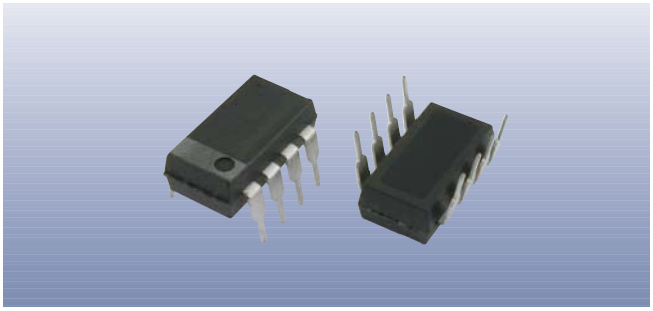
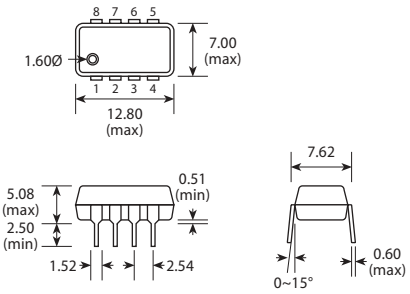
Programmable Oscillator

EXO-3C





PIN CONNECTIONS			
1	Original freq.	5	Select 1, see table
2	Divided freq.	6	Select 2, see table
3	Enable/Disable	7	Select 3, see table
4	Ground	8	Supply voltage

Scale 1:1

Features

- **User programmable frequency divider**
- **Standard frequencies held in stock**
- **Fast startup time**
- **Enable / disable function**
- **Low cost for volume applications**

Standard Frequencies

Frequencies in MHz		
12.00000	16.00000	20.48000
12.28800	16.12800	21.47727
12.80000	16.25700	22.00000
14.31818	16.38400	22.11840
14.50000	17.73447	24.00000
14.74560	18.43200	24.57600
15.00000	19.20000	30.00000
15.36000	19.66080	32.00000
15.97440	20.00000	

Specifications

Parameters	Product EXO-3C	Option Codes
Package style: 8 pin DIP	■	
Frequency range: 46.875kHz ~ 32.0MHz	■	specify
Frequency stability: ±100ppm max (<30.0MHz)	■	
±150ppm max (30.0 ~ 32.0MHz)	■	
Operating temperature range: -10 to +70°C	■	
Storage temperature range: -55 to +125°C	■	
Supply voltage (V_{DD}): +5.0V (±10%)	■	
Supply current (max): 20mA	■	
Driving ability: CMOS	■	
Output voltage: '0' level (V_{OL}) = 0.5V max	■	
'1' level (V_{OH}) = 90%V_{DD} min	■	
Rise / fall times: 15ns max	■	
Startup time: 1.5ms max (<30.0MHz)	■	
2ms max (30.0 ~ 32.0MHz)	■	
Waveform symmetry: 40:60 max	■	

■ Standard. □ Optional - Please specify required code(s) when ordering

Output Frequency Selection

INPUT				OUTPUT	
Divider Selection			Standby	Original Freq.	Divided Output
Pin 7	Pin 6	Pin 5	Pin 3	Pin 1	Pin 2
-	-	-	Low	Disabled	Disabled
Low	Low	Low	High	f_o	$f_d = f_o / 2$
Low	Low	High	High	f_o	$f_d = f_o / 2^2$
Low	High	Low	High	f_o	$f_d = f_o / 2^3$
Low	High	High	High	f_o	$f_d = f_o / 2^4$
High	Low	Low	High	f_o	$f_d = f_o / 2^5$
High	Low	High	High	f_o	$f_d = f_o / 2^6$
High	High	Low	High	f_o	$f_d = f_o / 2^7$
High	High	High	High	f_o	$f_d = f_o / 2^8$

f_o = Original frequency. f_d = Divided frequency.

Ordering Information

Product name + frequency
e.g: **EXO-3C 14.31818MHz**
EXO-3C 32.0MHz

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Golledge

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