VECTRON INTERNATIONAL A DOVER COMPANY

Helping Customers **Innovate, Improve & Grow**

Search Go

CO-408 Custom Hybrid TTL Clock Oscillators

Features:

- Sealed Ceramic Leadless Chip Carrier
- Small Size
- Lowest Profile
- 1 MHz to 60 MHz frequency range

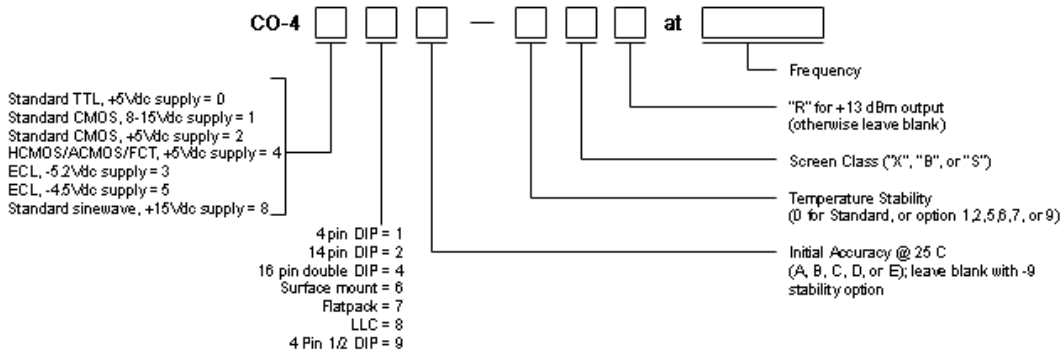
SPECIFICATIONS

Series	**CO-408:** Leadless Chip Carrier
Frequency	1 MHz-60 MHz
Supply	5 Vdc ± 5% , < 70mA
Accuracy (at 25°C)	**CO-408A** ±50 ppm **CO-408C** ±25 ppm
Temperature Stability	**STANDARD:** 0°C to +70°C: ±25 ppm Option **1**: -55°C to +85°C: ±50 ppm Option **2**: -55°C to +125°C: ±50 ppm Option **5**: 0°C to +50°C: ±5 ppm Option **6**: 0°C to +50°C: ±10 ppm Option **7**: -55°C to +125°C: ±100 ppm
Aging Rate (typical after 30 days)	3 ppm first year 2 ppm/year thereafter
Case	seam welded metal case
Output	Output: <12.5 MHz ≥12.5 MHz Drive: 10 TTL 10 STTL "0" Level: <0.4V <0.4V "1" Level: >2.4V >2.4V Rise/Fall Time: (0.5-2.4V) <15ns 2-5ns Symmetry: at 1.5V 55/45 60/40 If improved symmetry is required, please contact factory.

top of page

How to Order Hybrid XO's - CO-400 Series

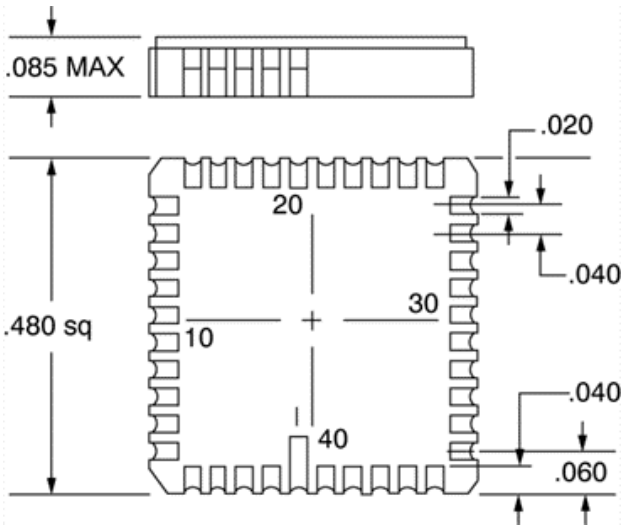
(Note: Not all combinations possible. See above for appropriate options.)



SCREEN TESTING OF ABOVE MODELS					
		Standard	Options		
SCREEN TEST	MIL-STD-883 METHOD	CLASS X	CLASS D	CLASS B	CLASS S
Stabilization Bake (150°C)	—	X	X	X	Class S screen test requirements include 24 hour additional bake-out, 80 hour additional burn-in, thermal shock, PIND test and radiographic inspection in addition to Class B Screening. Has major cost impact.
Seal Test (Gross and Fine)	1014, Cond A2	X	X	X	
Temperature Cycling (Thermal Shock)	1010, Cond B		X	X	
Burn-in, operating 160 hours @125°C	—		X	X	
Acceleration (5000g in Y_1 axis)	2001, Cond A			X	

top of page

CO-408



Dimension in inches

Pinouts

Pin	Function
4	+5Vdc
10	+5Vdc
31	Ground
37	Ground

39	Output
Other	N/C

top of page

Copyright © 1997-2009 by Vectron International, Inc., A Dover Company.
Vectron International's Terms and Conditions.
The most recent change to this page occurred 02/11/2009