

# OCE724000XCCDRA



**7.00L x 5.00W x 1.60H (mm)**

PDI Model *OC7-Series* provides precision timing in a hermetically sealed package, and is available in both standard and custom frequencies and configurations. PDI provides quick-turn sampling for your proto-typing needs, mass production capability, and competitive pricing.

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Frequency Nominal	Fo			24.000000		MHz
Frequency Stability		Inclusive of Tolerance @25°C, Operating Temperature, Supply Voltage, Load, Shock and Vibration	-100		+100	ppm
Operating Temperature			-40		+85	°C
Storage Temperature			-55		+125	°C
Duty Cycle		@ 50% Vcc	40	50	60	%
Rise/Fall Times	TR/TF	From 10% to 90% @15pF CL			6.0	nS
Output		CMOS				
Supply Voltage	Vcc		2.97	3.30	3.63	V
Supply Current	Icc	+25°C			25	mA
Load	CL				50.0	pF
Low Level Output Voltage	Vol				0.4	V
High Level Output Voltage	Voh		2.8			V
Enable Tristate Function	Vih	Pin 1 Logic '1' or No Connect, Output Enabled	80			% Vcc
Disable Tristate Function	Vil	Pin 1 Logic '0' or Ground, Output Disabled			20	% Vcc
Perturbations					3	ppm/1°C
Aging		Per Year	-10.0		+10.0	ppm
Weight				0.15	2.0	grams
Moisture Sensitivity Level	J-STD-020 , MSL = 1					
Environmental Specifications						
Shock	MIL-STD-202 , Method 213 , Condition I					
Vibration	MIL-STD-202 , Method 204 , Condition C					
Solderability	MIL-STD-202 , Method 208					
Thermal Shock	MIL-STD-202 , Method 207 , Condition B-1					
Seal	MIL-STD-202 , Method 112 , Condition C and D					
Resistance to Solvents	MIL-STD-202 , Method 215					

NOTE: No Pericom DIE shall be used. Preferred vendors are NPC and Raystar.

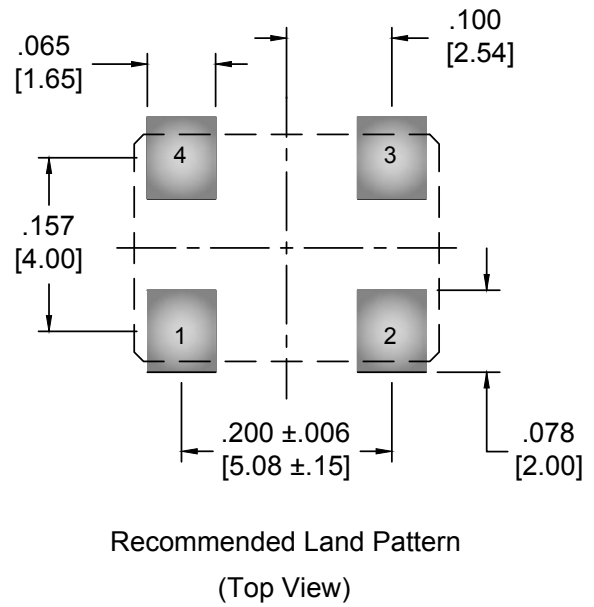
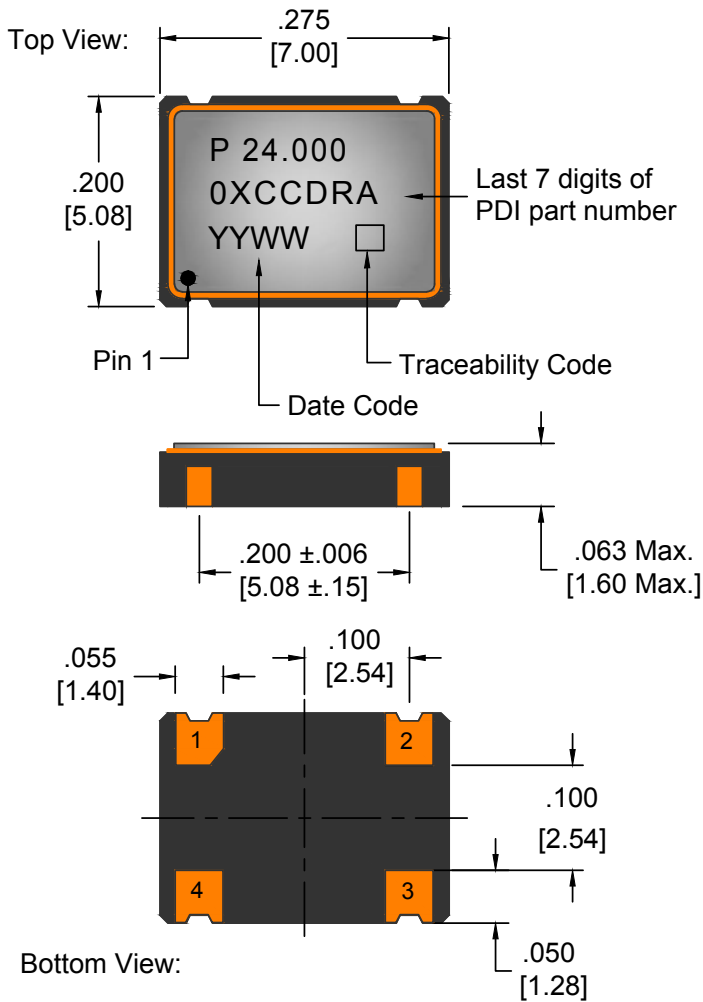
Rev	Date	Page	Description	ECN	Originator	Date	Engineering	Date
					BA	4-17-15	JL	4-17-15
					Surface Mount Ceramic Crystal Oscillator			2471R-fka
					PART #: <b>OCE724000XCCDRA</b>			DWN: BA
A	4/15	All	Original Release	N/A	DATE: 4-29-15		SCALE: NTS	ECN: NA
				REV: A	SIZE: A	CAGE: 054G1	1 of 3	

# OC7-Series 7.00 x 5.00 x 1.60 (mm)

## PACKAGE DIMENSIONS

Tolerance:  $\pm 0.008$  [.20mm] (Unless otherwise specified)

PIN	CONNECTION
1	Enable/Disable
2	Ground/Case
3	Output
4	Supply Voltage



**Contacts:** Electro Au, 11.8 to 40.0  $\mu$ inches (.30 to 1.0  $\mu$ m) over Electro Ni, 50 to 350  $\mu$ inches (1.27 to 8.89  $\mu$ m)

			<p><b>NOTES:</b>          Other options are available, please consult factory.          All product is supplied <i>RoHS</i> and <i>REACH</i> compliant.          Product can be supplied on Tape and Reel, on reels of 1,000 units.          Specifications subject to change without notice, last updated 4/1/13.</p>
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1. Material: Black Conductive Polystyrene or equivalent.
2. 10 Sprocket Hole pitch cumulative tolerance of  $\pm 0.008$
3. Camber in compliance with EIA 481
4. Empty pockets: Trailing end (Minimum) 200 mm. and Leading end (Minimum) 400 mm.
5. Pocket position relative to sprocket hole measured as true position of pocket, not pocket hole.

