

OC7T5000XLDDR



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			50.000000		MHz
Frequency Stability		Inclusive of Tolerance @25°C, Operating Temperature, Supply Voltage, Load, 1st Year Aging, Shock and Vibration	-100		+100	ppm
Operating Temperature			-40		+85	°C
Storage Temperature			-55		+125	°C
Duty Cycle		@ 50% Vcc	40	50	60	%
Rise Times	TR	From 10% to 90% Vcc, CL			5.0	nS
Fall Times	TF	From 90% to 10% Vcc, CL			5.0	nS
Output		HCMOS/TTL				
Supply Voltage	Vcc		2.97	3.30	3.63	V
Supply Current	Icc	+25°C			40	mA
Load	CL				30.0	pF
Start-up Time	Tstup				10.0	mS
Low Level Output Voltage	Vol				10	% Vcc
High Level Output Voltage	Voh		90			% Vcc
Enable Tristate Function	Vih	Pin 1 Logic '1' or No Connect, Output Enabled	80			% Vcc
Disable Tristate Function	Vil	Pin 1 Logic '0', Output Disabled			20	% Vcc
Output Disable Time	Tdis	Pin 1 Logic '0'			150.0	nS
Perturbations					3	ppm/1°C
Moisture Sensitivity Level	J-STD-020 , MSL = 1					

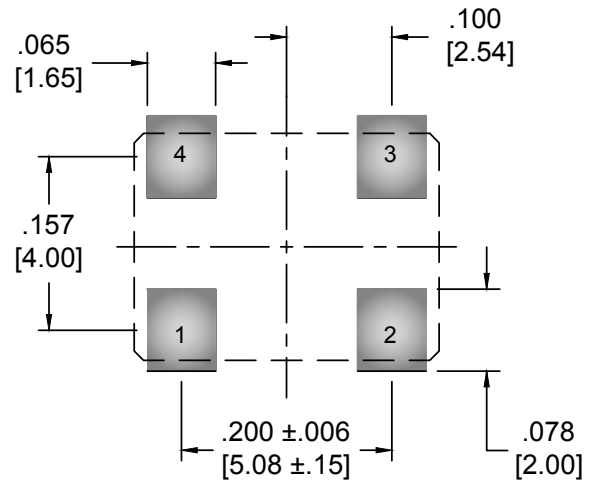
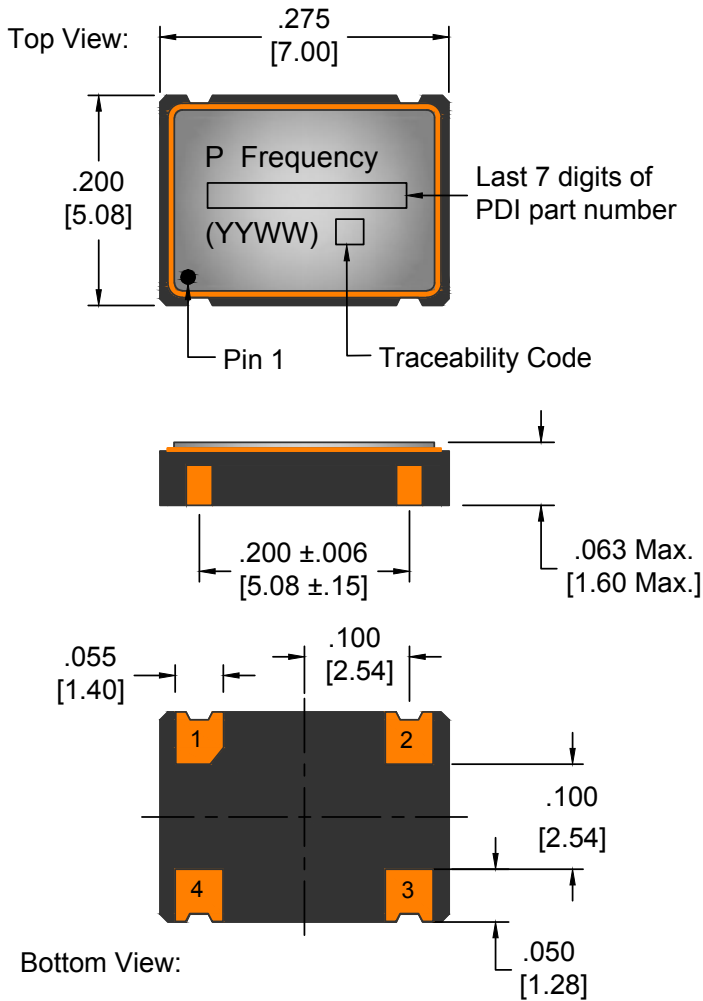
Rev	Date	Page	Description	ECN	Originator	Date	Engineering	Date
					BA	2-10-15	Jl	2-10-15
					Surface Mount Ceramic Crystal Oscillator			65301R-fka
					PART #: OC7T5000XLDDR			DWN: BA
A	2/15	All	Original Release	N/A	DATE: 2-10-15		SCALE: NTS	ECN: NA

OC7-Series 7.00 x 5.00 x 1.60 (mm)

PACKAGE DIMENSIONS

Tolerance: ± 0.008 [.20mm] (Unless otherwise specified)

PIN	CONNECTION
1	Tri-state
2	Ground/Case
3	Output
4	Supply Voltage



Contacts: Electro Au, 11.8 to 40.0 μ m (0.30 to 1.0 μ m) over Electro Ni, 50 to 350 μ m (1.27 to 8.89 μ m)



Mechanical Shock: MIL-STD-883, Method 2002, Condition B
Vibration: MIL-STD-883, Method 2007, Condition A
Temp Cycle: MIL-STD-883, Method 1010, Condition B
Solderability: MIL-STD-883, Method 2003, Category C, Test B



NOTES:
 Other options are available, please consult factory.
 All product is supplied *RoHS* and *REACH* 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.

OC7-Series 7.00 x 5.00 x 1.60 (mm)

1. Material: Black Conductive Polystyrene or equivalent.
2. 10 Sprocket Hole pitch cumulative tolerance of ± 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.

