



Precision Devices, Inc.

8840 N. Greenview Dr.
Middleton, WI 53562
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Sales Information sales@pdixtal.com

Electrical Specifications

- Center Frequency: 32.768000 MHz
- Output: CMOS
- Frequency Stability at +25°C: See Line 5
- Operating Temperature Range: -40°C to +85°C
- Frequency Stability: ±38ppm (Inclusive of tolerance @25°C, operating temperature, supply voltage change, load change, reflow, aging 10 years, shock and vibration)
- Storage Temperature Range: -40°C to +100°C
- Duty Cycle: 45/55% maximum
- T-Rise, T-Fall: 4.0nS maximum
- Supply Current : output enabled: 10mA maximum
output disabled: 10uA maximum
- Supply Voltage: +3.3Vdc ±5%
- Load: 15pF maximum
- Output Voltage: Vol: 0.1Vcc maximum
Voh: 0.9Vcc minimum
- Start-up Time: 10mS maximum
- Jitter (RMS): 1pS maximum (Bandwidth: 12kHz to 20MHz)

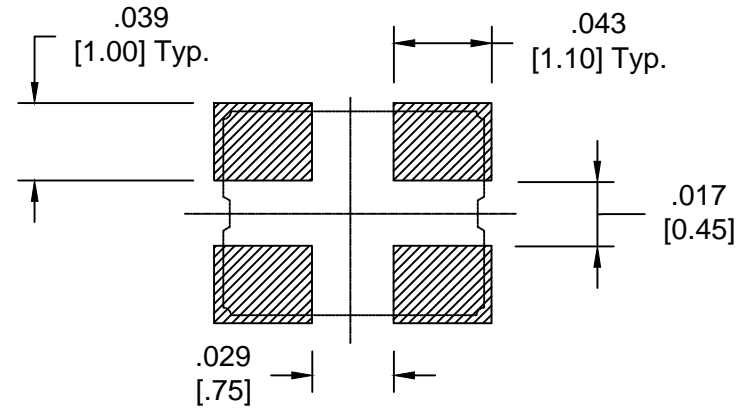
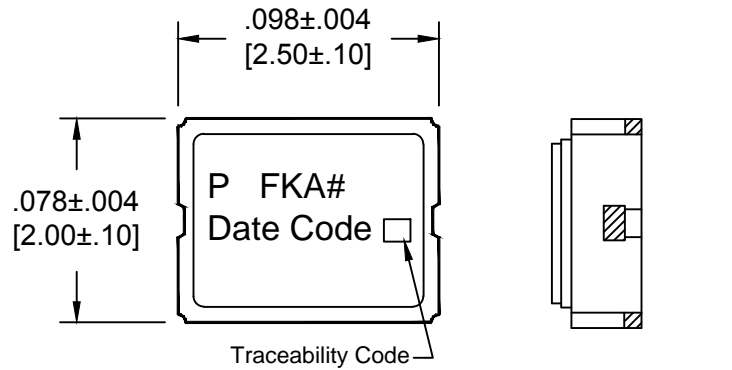
- Note: 1) 6 days aging Minimum @ 105°C**
2) 24 hour settle time before 100% testing @ 25°C
3) Sample Perturbation Test Every 1°C: ±5ppm Maximum

Truth Table for Enable/Disable Function

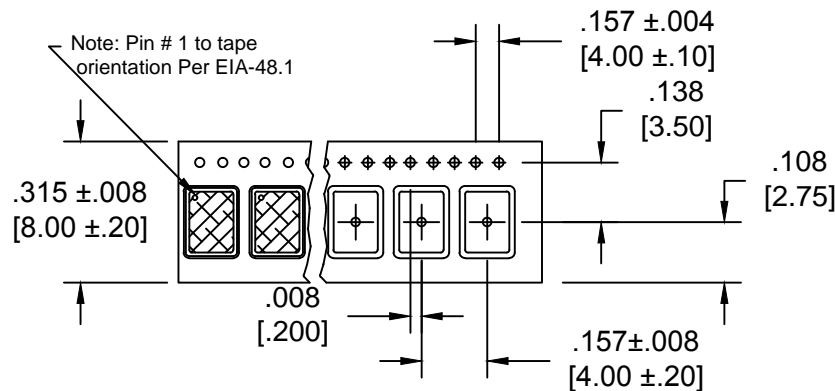
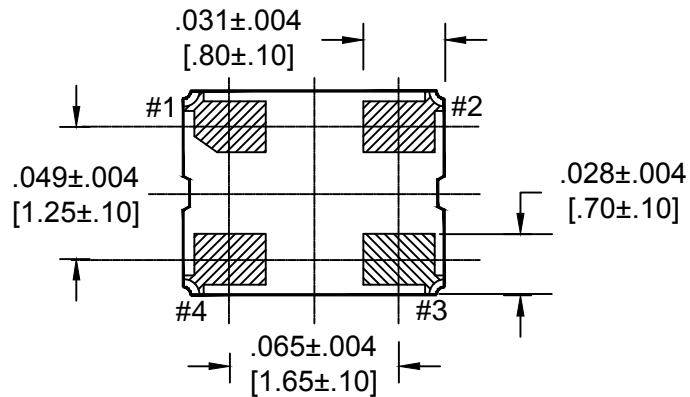
Terminal 1 (Enable/Disable control)	Function	Terminal 3 (Output)
Ground or $\leq 0.2V_{cc}$	Disabled	High Impedance
$V_{cc} \geq V_{IH} \geq 0.7V_{cc}$ or Open (1)	Enabled	Active

(1) Terminal 1 is normally high by an internal pull-up resistor.

REV.	DATE	PAGE	DESCRIPTION	Auth.	ECN
FOR PRELIMINARY USE ONLY Specifications subject to change without notice.					
		TITLE		FKA	
		Ceramic Crystal Oscillator Tape/Reel		65579R	
PART NUMBER OC2E32768XCSDRX					
	DATE	SCALE	ECN.	REV.	
	5/7/10	N.T.S.	N/A	N/A	
	SIZE	A	CAGE	0S4G1	Page 1 of 2



Recommended Land Pattern

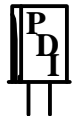


PIN	CONNECTION
1	Enable/Disable
2	Ground
3	Output
4	Vcc



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Manufacturer of Quartz Crystal Products

DECIMAL	DWG FILE	PART NUMBER	
XX=±.020 XXX=±.008	65579R	OC2E32768XCSDRX	
METRIC	SCALE	FREQUENCY	DRAWN BY
XX=±.50 XXX=±.20	N.T.S.	32.768000 MHz	J.Lawinger
ANGULAR	DRAWING TYPE	DATE	
XX=±2°	Ceramic Crystal Oscillator Tape/Reel	5/7/10	
	REV. LEVEL	ECN NO.	CAGE CODE
	N/A	N/A	0S4G1