

Operating Temperature Ranges

- 25 to 150°C
- 25 to 175°C
- 25 to 200°C

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF
- Output Level High Voh: 90%Vs min
Output Level Low Vol: 10%Vs max
- Rise Time (10%-90%): 4ns typ
Fall Time (90%-10%): 5ns typ

Output Control

- Start Up Time: 2ms typ

Environmental Parameters

- Operable Temperature Range: -55 to 200°C
- Expected life @ 200°C is in excess of 1500hrs
- Storage Temperature Range: -55 to 125°C
- Shock (std): 5000G, 0.3ms, 1/2 sine
Shock (HG): 10000G, 0.3ms, 1/2 sine
(shocked @ 25°C)
- Note: Higher Shock versions are available - please contact an IQD Sales Office
- Vibration: MIL-STD-202G, Method 204D, Condition D: 20G, 10Hz-2000Hz swept sine (vibrated @ 25°C)
- Note: Random Vibration test is also available - please contact an IQD Sales Office

Manufacturing Details

- Maximum Process Temperature: 260°C (for 20secs max)

Ordering Information

- Frequency
Model*
Shock Level*
Termination Variant*
Output
Frequency Tolerance (@ 25°C)*
Frequency Stability (over operating temperature range)*
Operating Temperature Range*
Pad 1 Function*
(minimum required*)
- Shock Options:
Blank = Standard (5000G)
HG = High Shock (10000G)
- Termination Variants:
SM1 = Gold Plated (RoHS)
SM5 = Solder Dipped (RoHS)
- Pad 1 Function Options:
EN = Enable/Disable
NC = No connection
- Example
32.768kHz CXOXULPHT 3.3V SM1
CMOS ±100ppm ±175ppm 25 to 200C NC

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Compliance

- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JEDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: Reel Tape & reel in accordance with EIA-481-D
Pack Size: 1,000
- Pack Style: Tray Supplied on a tray
Pack Size: 1

Electrical Specification - maximum limiting values 3.30V ±10%

Frequency	Temperature Range	Stability (Min)	Current Draw	Rise and Fall Time	Duty Cycle
	°C	ppm	mA	ns	%
32.768000kHz	25 to 200	±100.00	-	-	45/55%

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