

DESCRIPTION

An increasing number of high temperature applications require the use of leaded (through hole) ceramic packaged oscillators. For these applications, Statek offers the LHTAT 5x7mm oscillator. These oscillators are designed to operate at temperatures up to 200°C with high shock survivability.

FEATURES

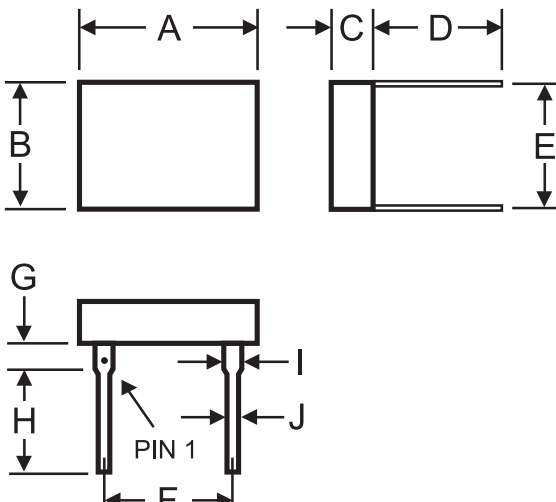
- High temperature operation up to 200°C
- Excellent stability over temperature
- High shock resistance
- CMOS output
- Optional output enable/disable
- Hermetically sealed ceramic package - 5x7mm
- Through-hole leaded package
- Reduces mechanical and thermal mounting stresses
- Robust lead attach-eutectic brazing process
- Gold Plated Kovar Leads

APPLICATIONS

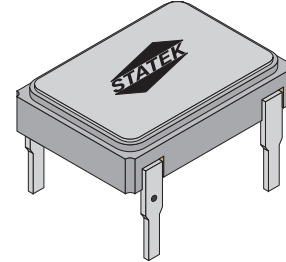
Industrial

- Downhole instrumentation
- Rotary shaft sensors
- Underground boring tools
- Avionics applications

PACKAGE DIMENSIONS LHTAT



LHTAT
320 kHz - 50 MHz



PIN CONNECTIONS

1. Enable/Disable (E) or No Connection (N)
2. Ground
3. Output
4. V_{DD}

DIMENSIONS

DIM	TYPICAL		MAX	
	inches	mm	inches	mm
A	0.276	7.00	.281	7.14
B	0.197	5.00	.202	5.13
C	0.065	1.65	.070	1.78
D	0.200	5.08	.205	5.20
E	0.195	4.90	.205	5.20
F	0.200	5.08	.205	5.20
G	0.040	1.02	—	—
H	0.160	4.06	—	—
I	0.028	0.71	—	—
J	0.018	0.46	0.021	0.53

Lead Thickness: 0.008 ±0.001 (0.20mm ±0.03)
Lead Plating: Gold/Nickel over Kovar