L4 SMD

Precision Devices Inc.

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LOW PROFILE SURFACE MOUNT QUARTZ CRYSTAL

The LP9000 series provides a broad range of frequencies, and a low profile height, packaged in a robust, high reliability enclosure. The LP9000 has an extremely low cost with excellent electrical parameters.

ELECTRICAL PERFORMANCE (Ta=25°c)

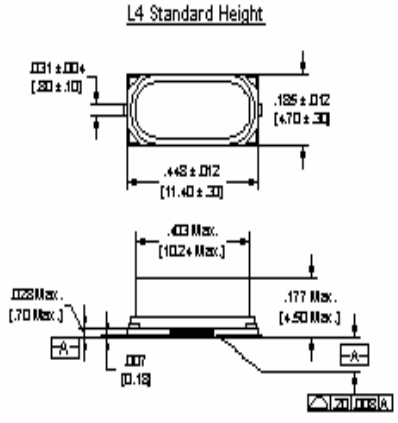
Parameter	Standard Observed
Mechanical Shock	MIL-STD-202 Method 213, Condition C
Vibration	MIL-STD-202 Method 201, 204, and 214
Hermeticity	MIL-STD-202, Method 112
Solderability	IPC/EIA-STD-002A

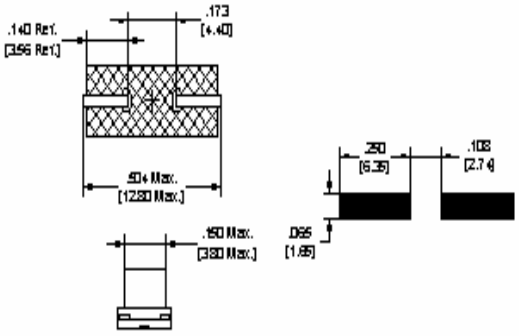
PARAMETER	MINIMUM	MAXIMUM	UNITS
Center Frequency	3.200	100.00	MHz
Oscillation Mode Fundamental and 3rd Overtone			
Maximum Series Resistance	20.000	100.000	Ohms
Frequency Stability at +25°C (See Note 2) ±50.0ppm Typ.	±10.00	±100.00	ppm
Frequency Stability Over Temperature ±50.0ppm Typ.	±10.00	±100.00	ppm
Operating Temperature Range (See Note 2)	-20	+70	°C
Storage Temperature Range	-55	+125	°C
Drive Level 100.0uW Typical	10.0nW	1.0mW	
Seal Method Resistance Weld			
Shunt Capacitance	1.000	7.000	pF
Motional Capacitance	Customer Request		
Load Capacitance	Series	40.000	pF
Aging per year	±2.0	±5.0	ppm











Alternate Can Heights
L1- .105 [2.67]
L2- .135 [3.45]
L3- .145 [3.68]
L4- .177 [4.50]