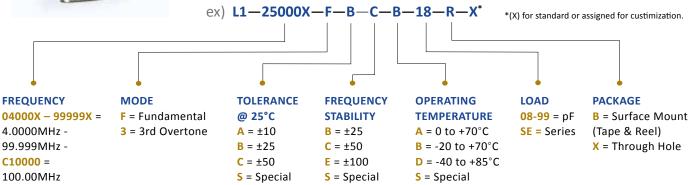
PRECISION DEVICES INC

L1-Series Specifications



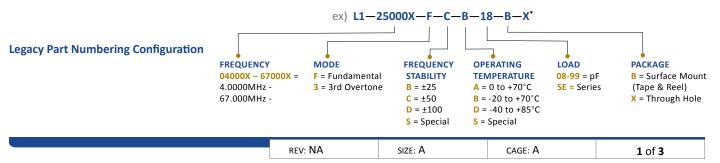
11.40L x 4.70W x 3.20H (mm)

PDI *L1-Series* is a hermetically sealed quartz crystal in resistance-welded SMD and through hole packages. This crystal, designed to meet your most demanding specification, is available in standard or custom frequencies and/or with customized parameters. PDI provides quick-turn sampling for your proto-typing needs, mass production capability, and competitive pricing.



See below for legacy part numbering configuration for parts designed prior to 02-01-2014, which are still available

Parameter		Mode			
		Fundamental	3rd Overtone	Units	
Frequency Range ^{*1}		4.000000 to 50.000000	35.000000 to 100.000000	MHz	
Frequency Tolerance	@ +25°C	Per Option		ppm	
Temperature Range ^{*1}	Operating	Per Option		°C	
	Storage	- 55 to +125		°C	
Frequency Stability*1	Over Operating Temperature	Per Option		ppm	
Equivalent Series Resistance (Maximum)	4.000000 to 5.000000 MHz	120	N/A	Ω	
	5.000000 to 6.000000 MHz	100	N/A		
	6.000000 to 7.000000 MHz	80	N/A		
	7.000000 to 10.000000 MHz	60	N/A		
	10.000000 to 14.000000 MHz	50	N/A		
	14.000000 to 20.000000 MHz	40	N/A		
	≥ 20.000000 MHz	30	N/A		
	24.000000 to 35.000000 MHz	N/A	100		
	≥ 35.000000 MHz	N/A	80		
Drive Level (Typical)		100		uW	
Shunt Capacitance (Maximum)		5.0		рF	
Load Capacitance (Typical)		Per Option		рF	
Aging (Maximum)	Per Year	±5.0		ppm	
Seal Method		Resistance Weld			
Insulation Resistance		500MΩ Minimum @100Vdc ±15V			

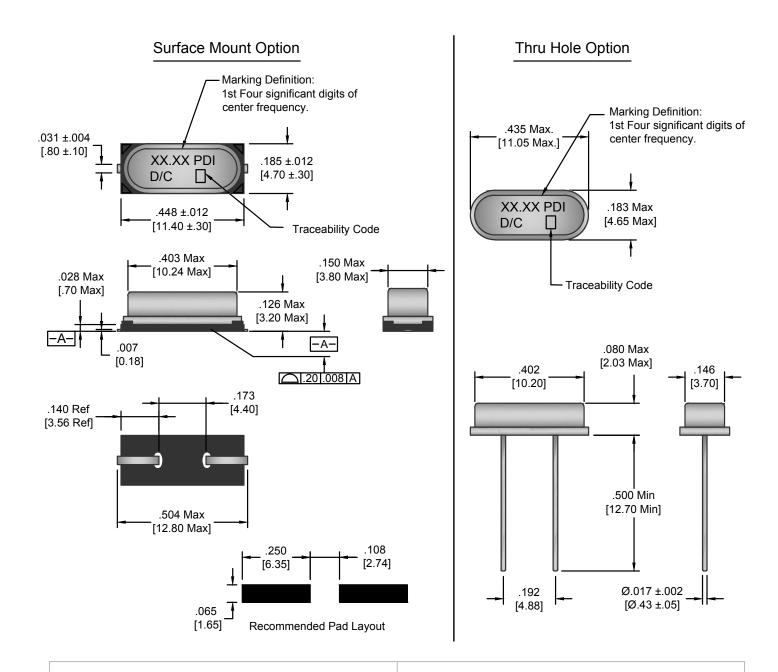




L1-Series 11.40 x 4.70 x 3.20 (mm)

PACKAGE DIMENSIONS

Decimal XXX = \pm .008, XX = \pm .02 Metric [XXX = \pm .20], [XX = \pm .50]









NOTES:

Terminals are Au.

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.

REV: NA SIZE: A CAGE: A	2 of 3
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L1-Series 11.40 x 4.70 x 3.20 (mm)

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

