

L6-Series Specifications



13.00L x 5.00W x 5.00H (mm)

PDI L6-Series is a hermetically sealed quartz crystal in a resistance-welded SMD package. 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.

ex) **L6—25000X—F—C—D—08—B—X***

FREQUENCY

03579X – 66999X =
3.579MHz – 66.999MHz

MODE

F = Fundamental
3 = 3rd Overtone

TOTAL TOLERANCE

B = +/-25
(Temp A & B)
C = +/-50
D = +/-100
S = Special

OPERATING TEMPERATURE

A = 0 to +70°C
B = -20 to +70°C
D = -40 to +85°C
E = -55 to +125°C
S = Special

LOAD

08-99 = pF
SE = Series

PACKAGE

B = Surface Mount
(Tape & Reel)

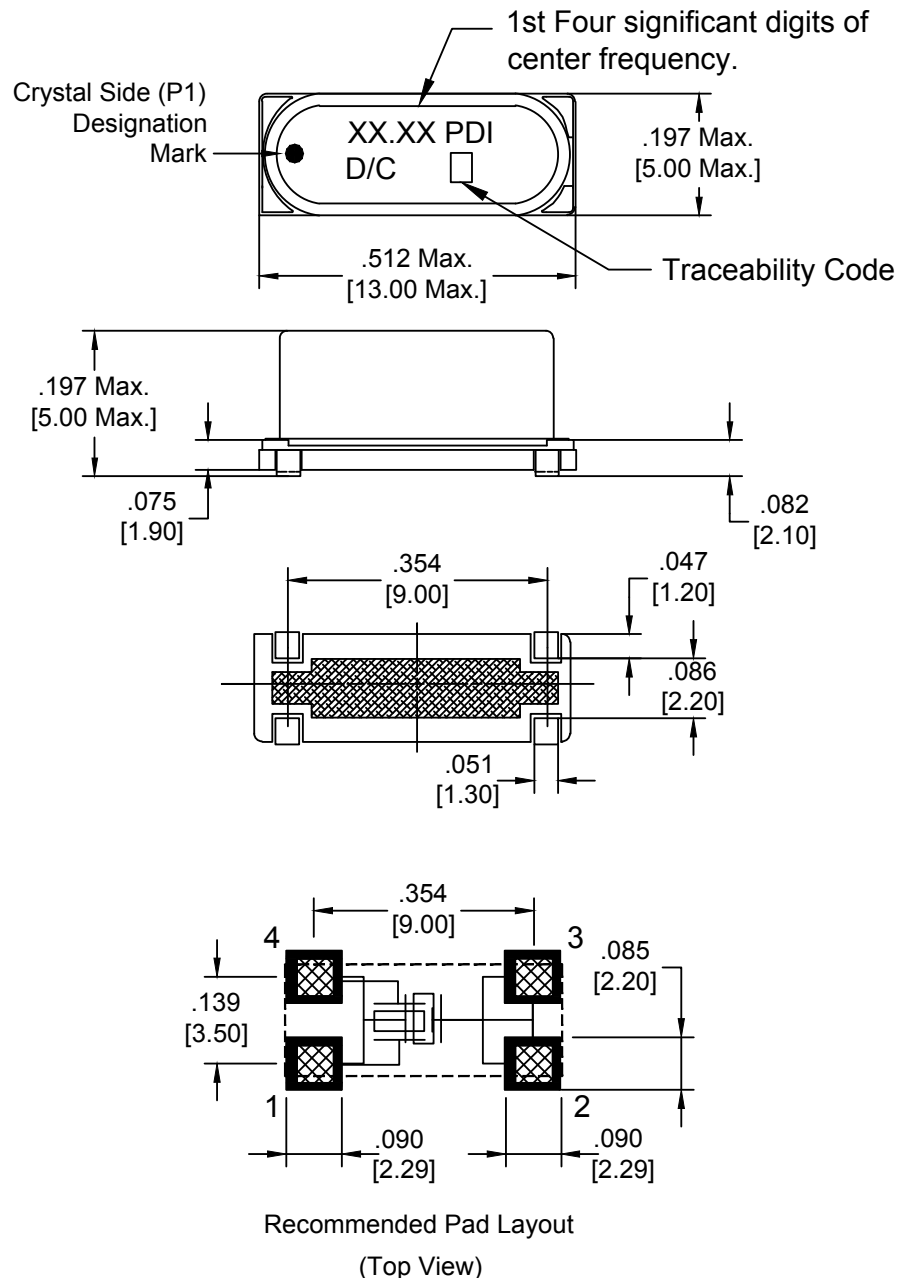
*(X) for standard or assigned for customization.

Frequency Range – MHz	Operating Mode	(CL)-Load Capacitance	ESR Ω (Max)	(C0)-Shunt Capacitance pF (Max)	Drive Level μ W (Typ)	Insulation Resistance
3.579545 to 3.999999	Fundamental	8.0 pF to Series	200	7.0	100.0	500 M Ω Minimum at 100 Vdc
4.000000 to 4.999999			150			
5.000000 to 5.999999			120			
6.000000 to 9.999999			100			
10.000000 to 13.999999			80			
14.000000 to 39.999999			50			
40.000000 to 66.999999			80			
3rd Overtone						
Parameter	Conditions		Min	Typ	Max	Unit
Storage Temperature			-55		+125	°C
Aging	Per Year ($\pm$ 5.0 ppm First Year)		-3.0		+3.0	ppm
	Mechanical Shock: MIL-STD-202 Method 213, Condition C		NOTES: Other options are available, please consult factory. All product is supplied <i>RoHS</i> and <i>REACH</i> compliant. Product can be supplied on Tape and Reel, on reels of 1,000 units. Not all Frequency/Temperature combinations are available. Specifications subject to change without notice, last updated 4/1/13.			
	Vibration: MIL-STD-202, Method 201, 204, and 214 Hermeticity: MIL-STD-202, Method 112 Solderability: IPC/EIA-STD-002A					
REV: NA			SIZE: A	CAGE: A	1 of 3	

L6-Series 13.00 x 5.00 x 5.00 (mm)

SURFACE MOUNT

PDI L6-Series is a hermetically sealed quartz crystal in a resistance-welded SMT package. 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.



L6-Series 13.00 x 5.00 x 5.00 (mm)

1. Material: Black Conductive Polystyrene or equivalent.
2. 10 Sprocket Hole pitch cumulative tolerance of $\pm .008$
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.

