

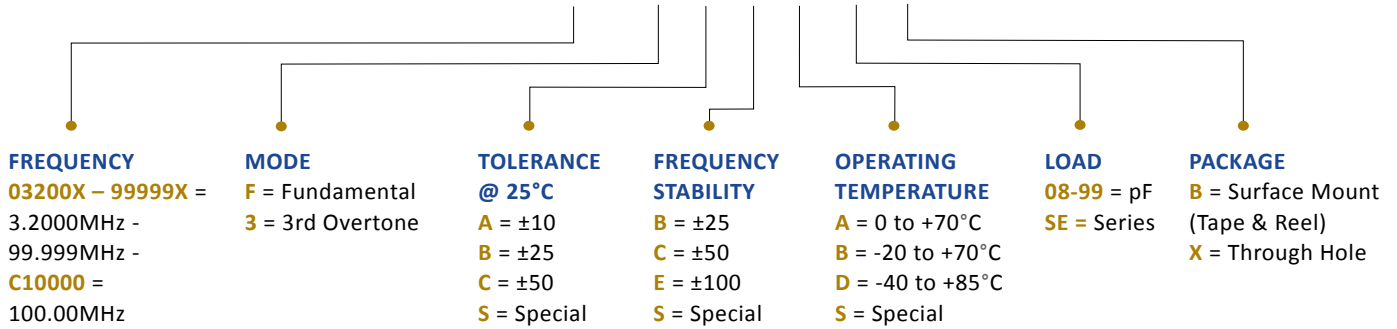
L4-Series Specifications



11.40L x 4.70W x 4.50H (mm)

PDI L4-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.

ex) **L4-25000X-F-B-C-B-18-R-X*** *(X) for standard or assigned for customization.

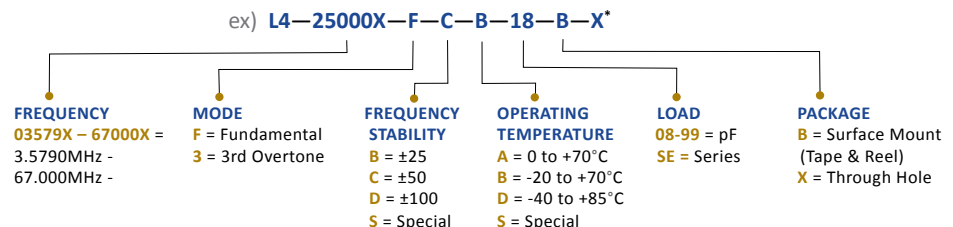


See below for legacy part numbering configuration for parts designed prior to 02-01-2014, which are still available

Parameter	Mode		Units	
	Fundamental	3rd Overtone		
Frequency Range *1	3.200000 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)	3.200000 to 3.579000 MHz	250	N/A	Ω
	3.579000 to 4.000000 MHz	150	N/A	
	4.000000 to 5.000000 MHz	120	N/A	
	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		pF	
Load Capacitance (Typical)	Per Option		pF	
Aging (Maximum)	Per Year	±5.0 ppm		
Seal Method	Resistance Weld			
Insulation Resistance	500MΩ Minimum @100Vdc ±15V			

*1 - Not all Frequency/Stability/Temperature combinations are available.

Legacy Part Numbering Configuration



L4-Series 11.40 x 4.70 x 4.50 (mm)

1. Material: Black Conductive Polystyrene or equivalent.
2. 10 Sprocket Hole pitch cumulative tolerance of ± 0.008
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.

