

# C2-Series Specifications

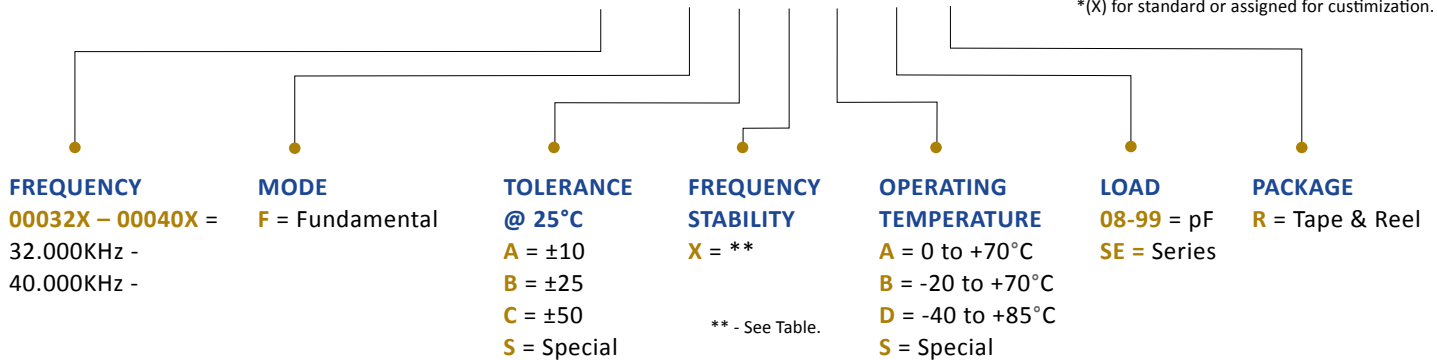


**3.20L x 1.50W x 0.90H (mm)**

PDI C2-Series is a hermetically sealed quartz crystal in a seam-welded ceramic 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.

ex) **C2-00032X-F-B-X-B-12-R-X\***

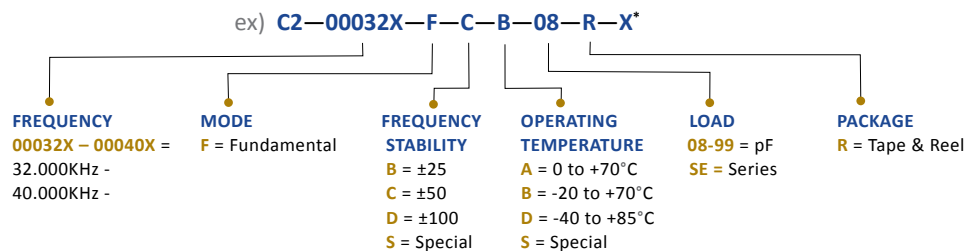
\*(X) for standard or assigned for customization.



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

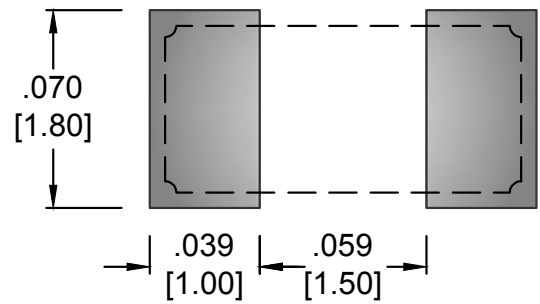
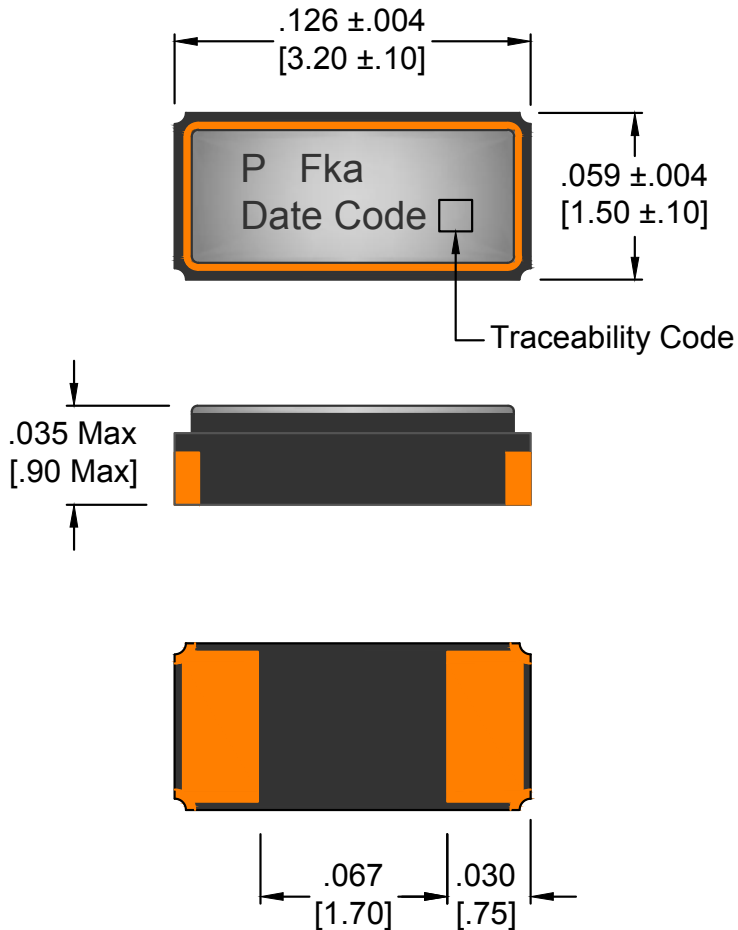
Parameter		Mode	
		Fundamental	Units
Frequency Range		32.000000 to 40.000000	KHz
Frequency Tolerance	@ +25°C	Per Option	ppm
Temperature Range	Operating	Per Option	°C
	Storage	- 55 to +125	°C
Frequency Stability	Temperature Coefficient	-0.034 ±0.006ppm/ °C <sup>2</sup>	
Turnover Temperature (Typical)		25	°C
Equivalent Series Resistance (Maximum)		70K	Ω
Drive Level (Typical)		0.5	uW
Shunt Capacitance (Maximum)		3.0	pF
Load Capacitance (Typical)		Per Option	pF
Aging (Maximum)	Per Year	±5.0	ppm
Seal Method		Seam Weld	
Insulation Resistance		500MΩ Minimum @100Vdc ±15V	

## Legacy Part Numbering Configuration



### PACKAGE DIMENSIONS

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



Recommended Pad Layout  
(Top View)



**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.

