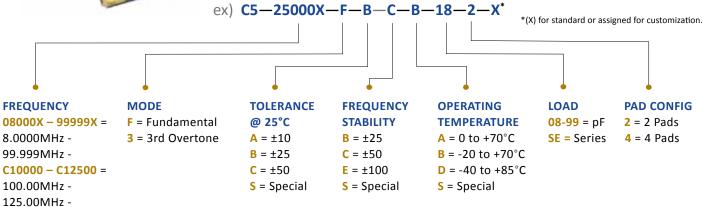


C5-Series Specifications



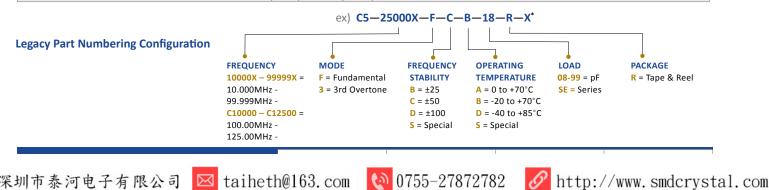
5.00L x 3.20W x 0.90H (mm)

PDI C5-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.



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}		8.000000 to 50.000000	40.000000 to 125.000000	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)	8.000000 to 10.000000 MHz	100	N/A	Ω
	10.000000 to 12.000000 MHz	80	N/A	
	12.000000 to 16.000000 MHz	60	N/A	
	16.000000 to 20.000000 MHz	50	N/A	
	20.000000 to 24.000000 MHz	40	N/A	
	24.000000 to 50.000000 MHz	30	N/A	
	40.000000 to 125.000000 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		Seam Weld		
Insulation Resistance		500MΩ Minimum @100Vdc ±15V		
	*1 - Not all Frequency/Stability/Temp	erature combinations are av	ailable	

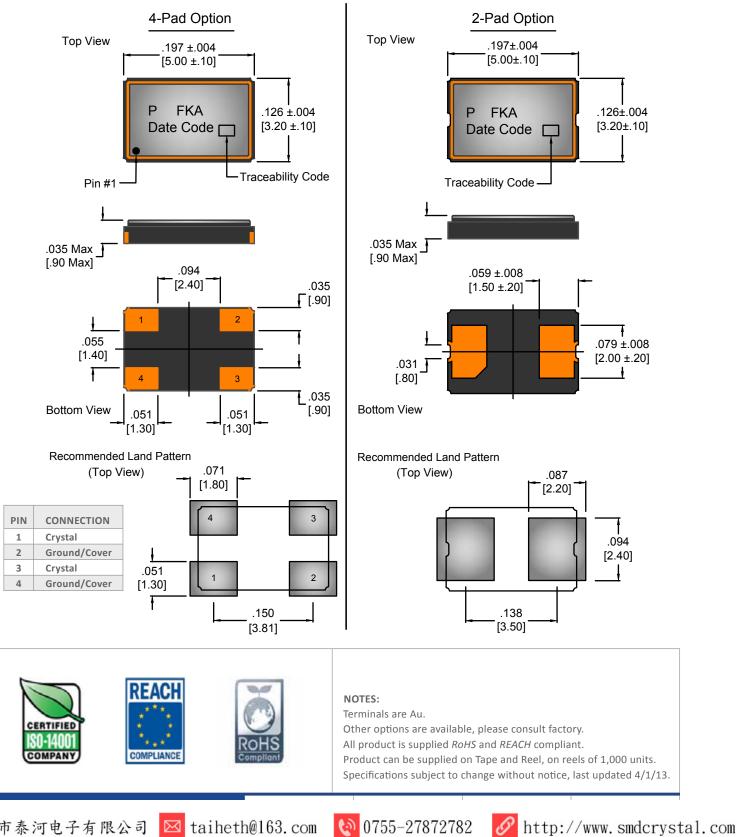


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PACKAGE DIMENSIONS

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



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C5-Series 5.00 x 3.20 x 0.90 (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.

