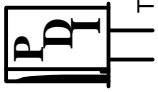
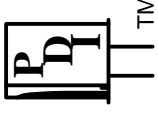


Precision Devices, Inc.



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ELECTICAL SPECIFICATIONS:

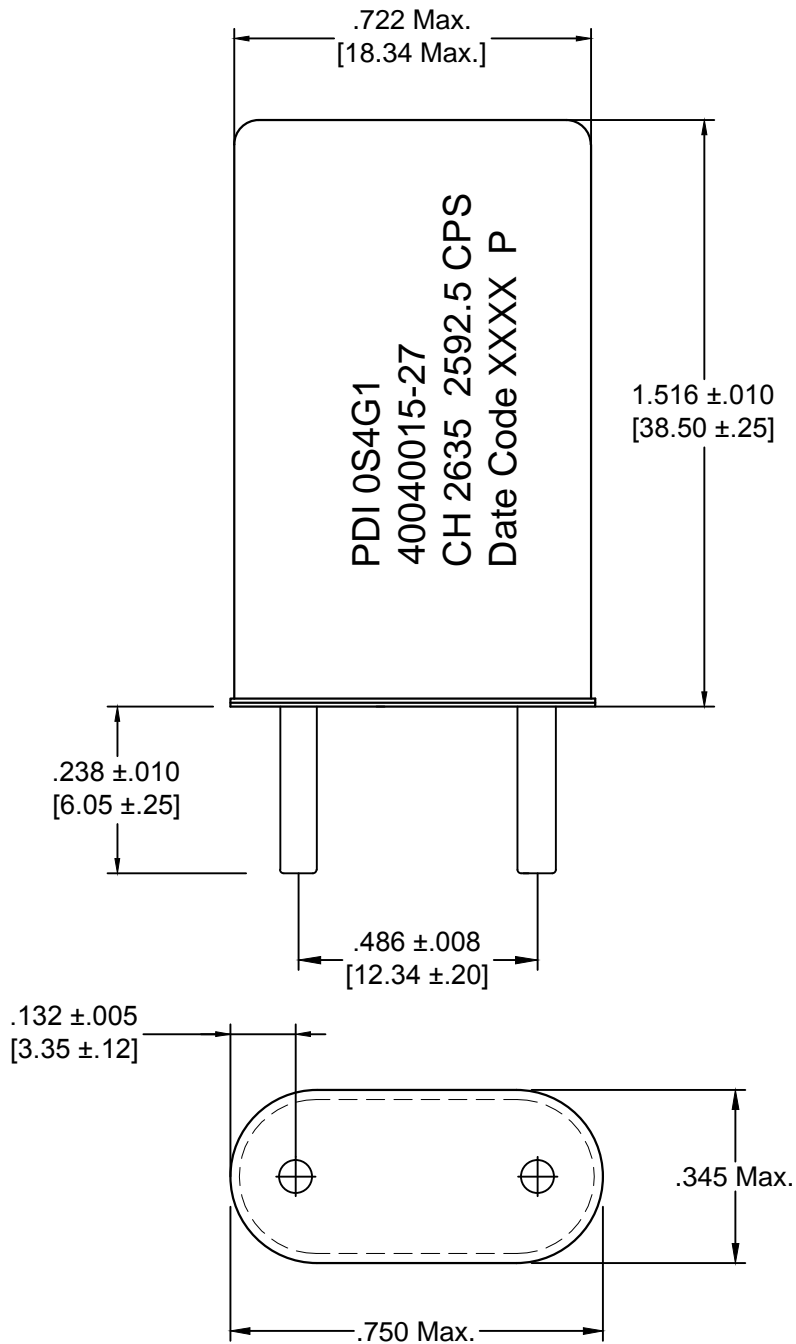
1. Center Frequency: 663.680000 kHz
2. Oscillation Mode: Fundamental
3. Tolerance @ 25°C: ±22 ppm
4. Operating Temperature Range: 0°C to +60°C
Storage Temperature Range: -65°C to +85°C
5. Maximum Change over Temperature Range: ±75 ppm
Referenced to a center frequency (Total Tolerance)
6. Drive Level: 2.0mW maximum
7. Seal Method: Cold Weld or equivalent
8. Co (Shunt Capacitance): 7.0pf maximum
9. Package: HC-36/U or equal
10. CI (Load Capacitance): Series
11. Aging: ±5ppm/year
12. Impedance: The series resonant impedance shall be such that the voltage obtained at the output of the test circuit is 6 to 8 volts peak to peak.
13. Plating of Device Package: 96.5% Tin Max.; 0% Lead

Note:

The crystal shall meet the construction, environmental, performance and electrical requirements of MIL-C-3098D unless otherwise specified herein.

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REV.	DATE	PAGE	DESCRIPTION	Auth.	ECN	Originator	Date	Engineering	Date
						D.G.	9/9/2011	C.S.	9/9/2011
						TITLE HC-36/U Crystal Assembly		FKA 91323	
						PART NUMBER H300663XFSASEXX (40040015-27)			
B	6/11	All	Revised Center Frequency	D.G.	E0995	DATE 9/9/2011	SCALE N.T.S.	ECN. E0995	REV. B
A	4/11	All	Original PDI Release	D.G.	N/A	SIZE A	CAGE 0S4G1		Page 1 of 2



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Manufacturer of Quartz Crystal Products

DECIMAL XX= $\pm .020$ XXX= $\pm .008$	DWG FILE 91323	PART NUMBER H300663XFSASEXX (40040015-27)	
METRIC XX= $\pm .50$ XXX= $\pm .20$	SCALE N.T.S.	FREQUENCY 663.68000 kHz	DRAWN BY D. Gibney
ANGULAR XX= $\pm 2^\circ$	DRAWING TYPE HC-36/U Crystal Assembly		DATE 9/9/2011
	REV. LEVEL B	ECN NO. E0995	CAGE CODE 0S4G1