



Precision Devices, Inc.

8840 N. Greenview Dr.
Middleton, WI 53562
Phone: 608-831-4445
1-800-274-XTAL
Fax: 608-831-3343



Visit our web site at www.pdixtal.com

Sales Information sales@pdixtal.com

Electrical Specifications

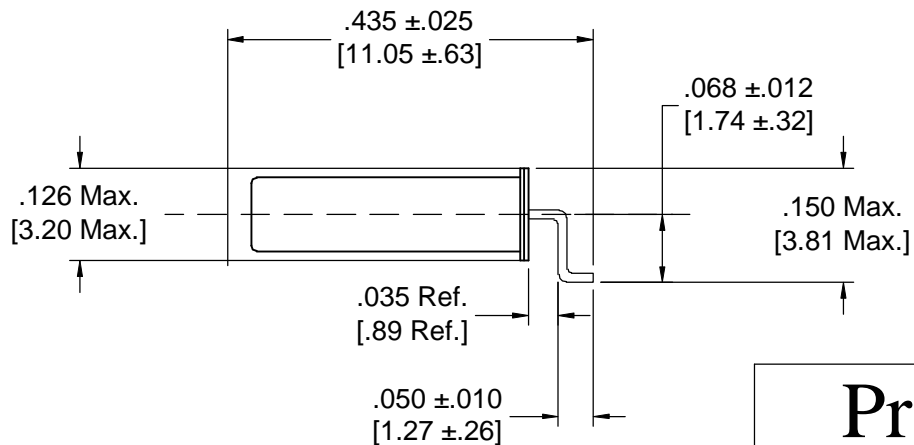
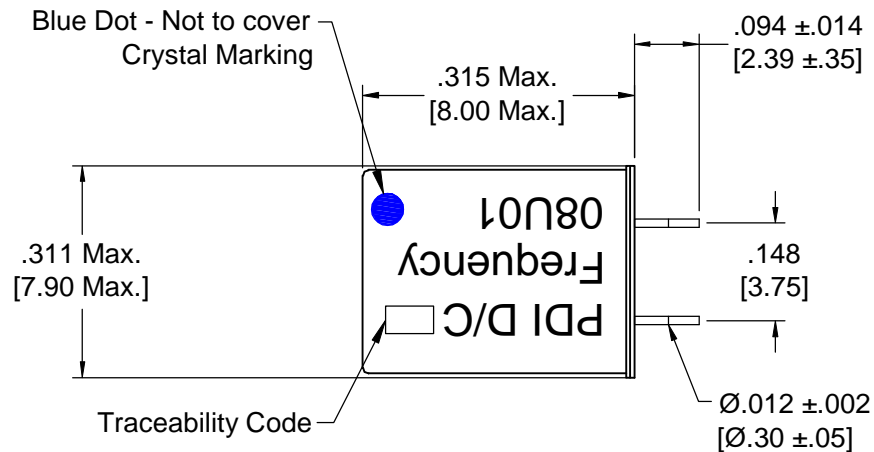
- Center Frequency: 50.558300 MHz
- Oscillation Mode: 3rd Overtone
- Max. Series Resistance: 40 Ohms Maximum
- Tolerance @ 25°C: ±7ppm
- Operating Temperature Range: -30°C to +60°C
- Max. Change over Temp Range: ±10ppm
- Drive Level: 125uW
- Seal Method: Resistance Weld
- Co (Shunt Capacitance): 2.8/4.0pF
- C1 (Motional Capacitance): 0.7fF Minimum
- CI (Load Capacitance): Series
- Aging: ±5ppm/10yrs. Max.
- Spurious: -1.5dB minimum
- Insulation Resistance: 500M Ohms Min.

Crystal Unwanted Modes: Crystal units shall have a minimum unwanted mode effective resistance of 60 Ohms or an unwanted to main mode resistance ratio of 2 to 1, whichever is greater.

NOTES:

- Crystal quartz to be plated with chrome flash with a silver overlay.
- Crystals must be thermal aged for 6-days (144 hrs.) at +105°C, 100% to final electrical test.
- Crystals must be tested over temperature 100% in 10°C increments over operating temperature range.

REV.	DATE	PAGE	DESCRIPTION	AUTH.	ECN	Originator	Date	Engineering	Date
						AH	6/17/05	MB	6/17/05
						TITLE UM-1 Crystal Assembly		FKA 9565G	
						PART NUMBER U150558X3SSSEGX			
						DATE 6/17/05	SCALE N.T.S.	ECN. E0635	REV. G
G	6/17/05	2	Added blue ink dot to face of crystal	AH	E0635	SIZE A	CAGE OS4G1		Page 1 of 2



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Manufacturer of Quartz Crystal Products

DECIMAL XX±.020 XXX±.008	DWG FILE 9565G	PART NUMBER U150558X3SSSEGX	
METRIC XX±.50 XXX±.20	SCALE N.T.S.	FREQUENCY 50.558300 MHz	DRAWN BY A. Hickman
ANGULAR XX±2°	REV. LEVEL N/A	ECN NO. N/A	DATE 6/17/05
		CAGE CODE OS4G1	Page 2 of 2
DRAWING TYPE UM-1 Crystal Assembly			