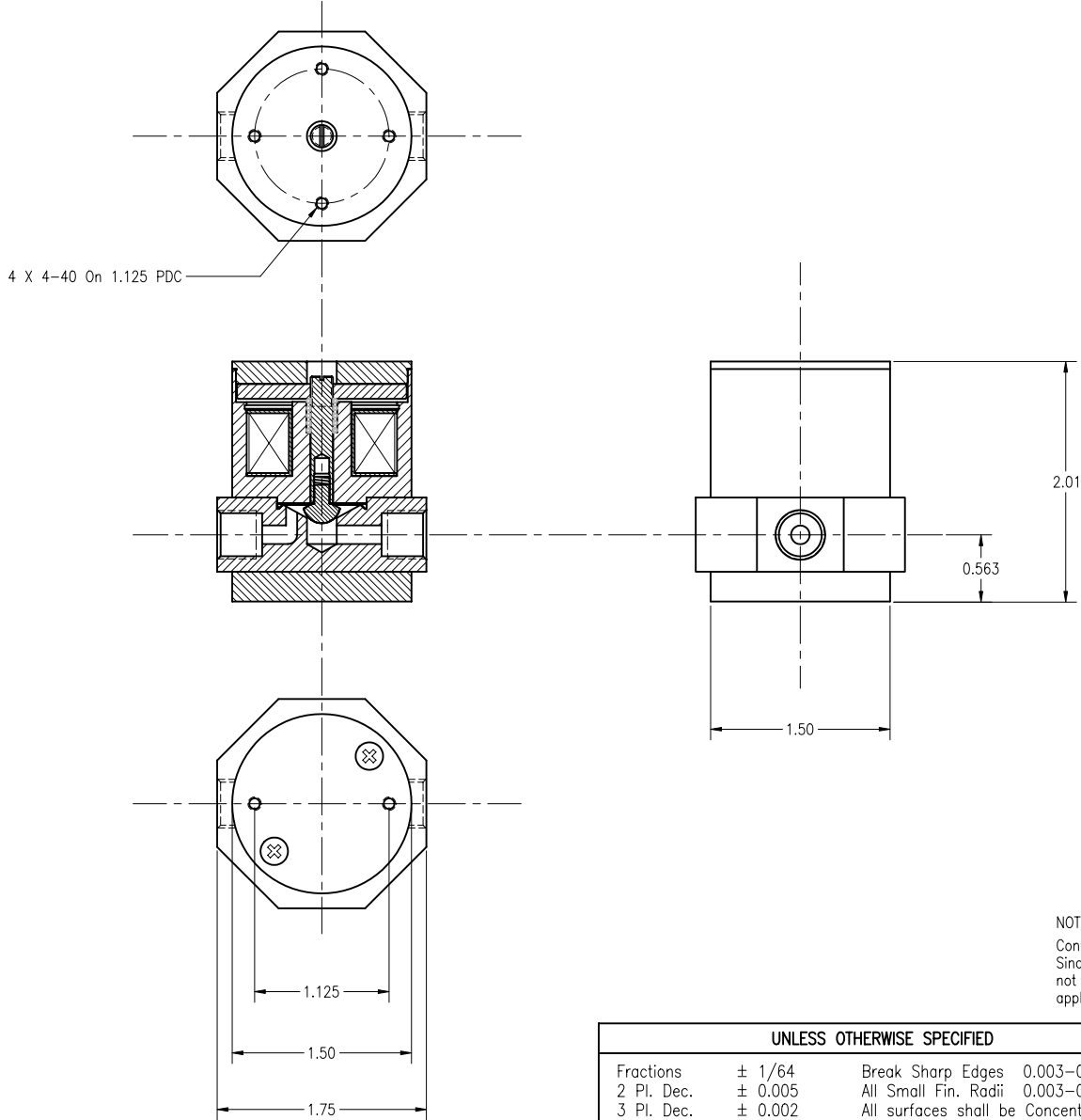


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SPECIFICATIONS:

Mechanical: (Each Port)


- TYPE: 2-Way NO
- PORT CONNECTION: 1/8" NPTS Flat Bottom (Short)
- NOMINAL ORIFICE: 0.156 In. (4.0 mm)
- OPERATING PRESSURE: Vacuum to 30 PSI (2.0 Bars)
- TEST PRESSURE: 30 PSI N₂ (Leakage < 3μl/min)
- INTERNAL VOLUME: 713 microliters from bottom of ports.
- WETTED MATERIALS: TEFLON®
- MOUNTING ORIENTATION: Any Position

Electrical: (At 70° C No Pressure)

- OPERATING VOLTAGE: 12 VDC (Continuous, see note 1.)
12 to 24 volts subject to duty cycle and/or holding voltage applied.
- POWER CONSUMPTION: 7.2 watts/12VDC (approx.)
- LEAD WIRES: #22 AWG, TFE Insulated
Yellow 18 in. (457 mm) long.
- TEST VOLTAGE (ON): < 9 VDC
- TEST VOLTAGE (OFF): 0.5 to 4 VDC
- RESPONSE TIME (ON): 20ms Max. (12 VDC)
5 to 20 ms subject to applied voltage and driving circuits.
- RESPONSE TIME (OFF): 30ms Max. (from 12 VDC)
30 to 5 ms adjustable by driving circuits.

NOTE 1.)
Continuous rating applies to solenoid construction only.
Since other materials incorporated in the product may not tolerate temperature variations as well as the solenoid application of holding voltage is strongly recommended.

NOTICE:
This product is protected by one or more of the following United States Patents: 4,496,133; 4,993,456; 5,143,118; Re. 34,261 5,433,244. Other Patents Pending.

UNLESS OTHERWISE SPECIFIED				Scale	1 : 1 (B)	Material	As noted	
Fractions	± 1/64	Break Sharp Edges	0.003-0.008	Dr. By	G Stevens	Date	11-06-2007	
2 Pl. Dec.	± 0.005	All Small Fin. Radii	0.003-0.008	Rev. By	F. Tarnok	Date	05-17-2011	
3 Pl. Dec.	± 0.002	All surfaces shall be Concentric,		Part Name		Drawing Number		
Angular	± 0.06°	Parallel, Flat, Square and True		.648T021 2W NO 12VDC		.648V254		
All Fin. Surf.		to Each Other within 0.001 T.I.R.						

