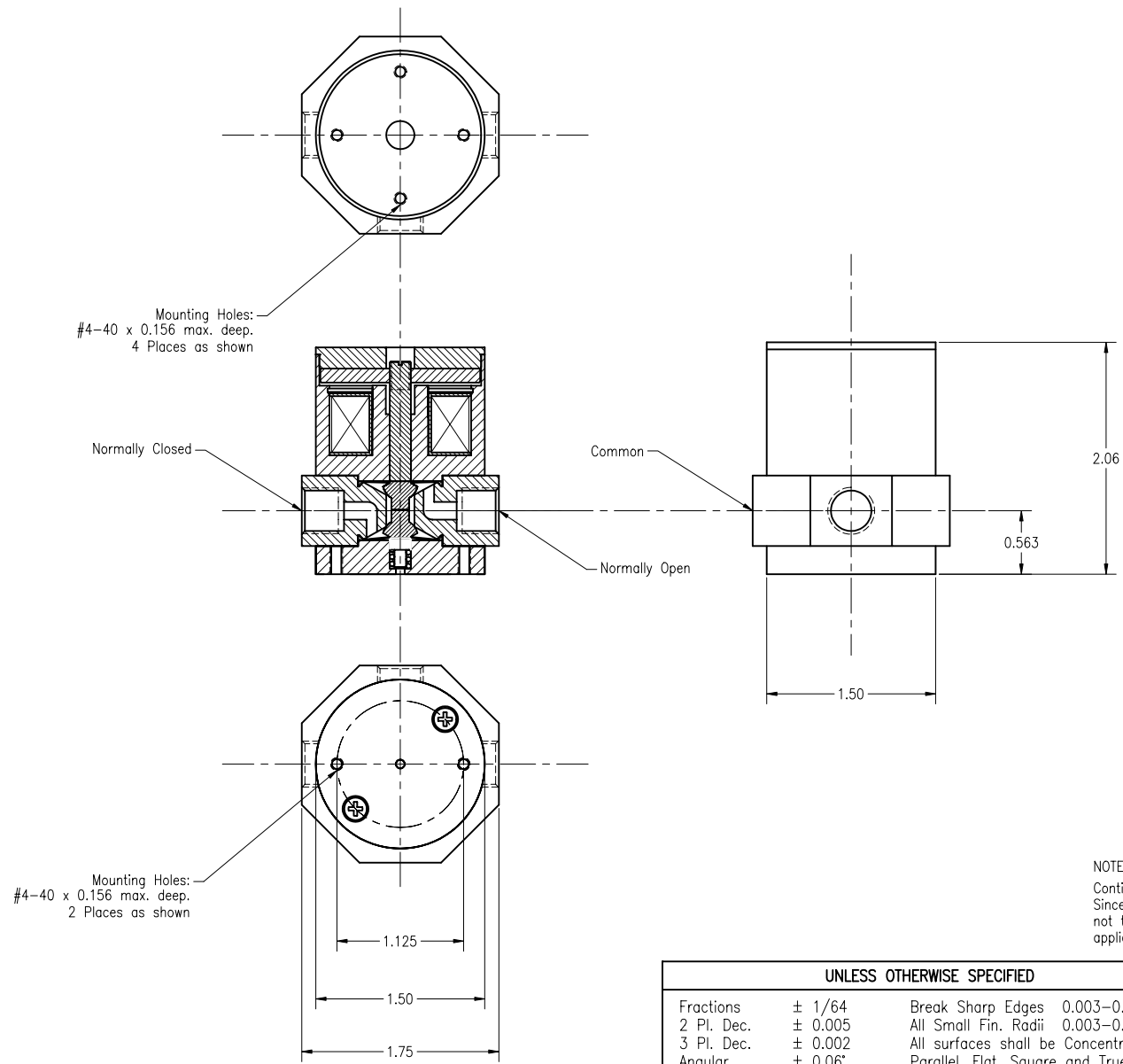


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SPECIFICATIONS:

Mechanical: (Each Port)


- TYPE: 3-Way
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: 1094 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	06–Nov–2007	
2 Pl. Dec.	± 0.005	All Small Fin. Radii	0.003–0.008	Checked		Approved		
3 Pl. Dec.	± 0.002	All surfaces shall be Concentric,		Part Name	.648T031 3W 12VDC			
Angular	± 0.06°	Parallel, Flat, Square and True						
All Fin. Surf.		to Each Other within 0.001 T.I.R.					Drawing Number	.648V257

