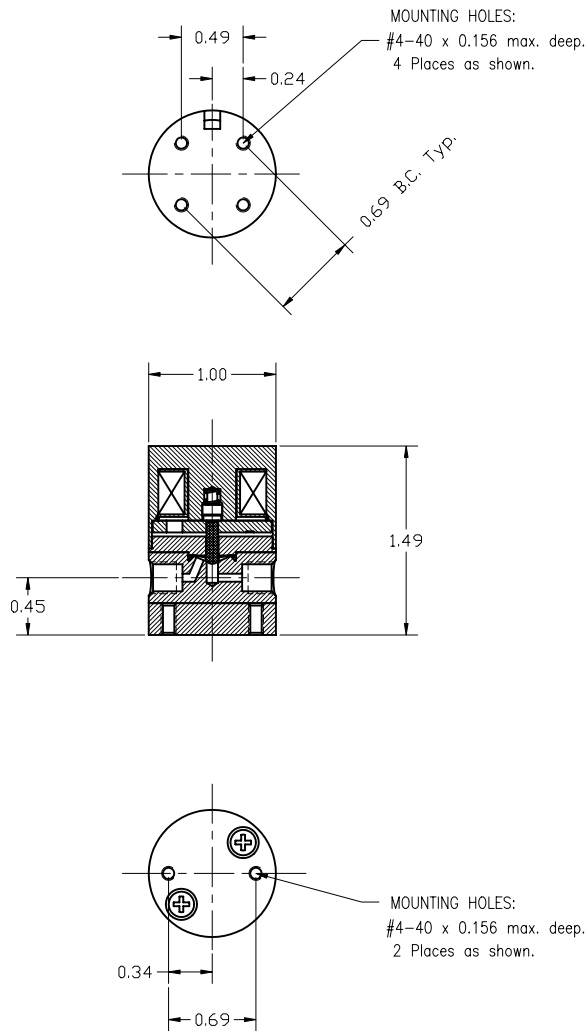


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SPECIFICATIONS:

**Mechanical:** (Each Port)  
TYPE: 2w Normally Closed  
PORT CONNECTION: 1/4-28 Flat Bottom  
NOMINAL ORIFICE: 0.062 In, (1.5 mm)  
OPERATING PRESSURE: Vacuum to 100 PSI (6.89 Bars)  
TEST PRESSURE: 100 PSI N<sub>2</sub> (Less Than 3µl/min Leakage)  
INTERNAL VOLUME: 57 microliters form bottom of ports.  
WETTED MATERIALS: TEFLON®  
MOUNTING ORIENTATION: Any Position

**Electrical:** At 70° F (No Pressure Applied)  
OPERATING VOLTAGE: 12 VDC 0.1sec. & Hold at 4 VDC  
12 to 24 volts subject to duty cycle and/or holding voltage applied.  
POWER CONSUMPTION: 6.26 watts at 12 VDC (Approximately)  
LEAD WIRES: #26 AWG, TFE Insulated  
White 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 24 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	23-Jul-2009	
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		Drawing Number		
Angular	± 0.06°	Parallel, Flat, Square and True		HP225T011 2W NC 12VDC		.VALM183		
All Fin. Surf.		to Each Other within 0.001 T.I.R.						

