



PROPRIETARY DOCUMENT
SIMPLIFIED DRAWING
 SEE NOTE 8

NOTES:

1. PRODUCT TYPE: PROPRIETARY LOW OUTGASSING BISTABLE SHUTTER.
2. OPERATION: SHOWN MAGNETICALLY LATCHED IN POSITION #1, SHUTTER SHALL ROTATE $60^\circ \pm 2^\circ$ CW AND LATCH IN POSITION #2 WHEN SUBJECTED TO A 75ms PULSE AT 5.0VDC. SHUTTER SHALL RETURN TO POSITION #1 AND LATCH WHEN SUBJECTED TO A REVERSE POLARITY PULSE OF EQUAL MAGNITUDE.
3. COIL RESISTANCE: $12 \pm 4\%$ OHMS @ 25°C . LEADS SHALL BE RED AND BLACK TEFLON INSULATED WIRE PER M16878 TYPE 30 ET 4.5" LONG MINIMUM AND STRIPPED $1/4" \pm 1/8"$ BOTH ENDS.
4. POLARITY: CW / RED (+) BLK (-) , CCW / RED (-) BLK (+).
5. BLACK ANODIZE FILTER HOLDER AND HOUSING.
6. SOLENOID ASSEMBLIES TO BE SUPPLIED WITHOUT FILTERS OR BONDING AGENTS.
7. LOW OUTGASSING TECHNIQUES INCLUDING LASER MARKING.
8. THIS DRAWING PROVIDES GENERAL PRODUCT INFORMATION. FOR COMPLETE TECHNICAL DETAILS PLEASE CONTACT US AT (203) 544-9341 OR VIA EMAIL AT SALES@BRANDSTROMINSTRUMENTS.COM.

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| DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED | | Brandstrom Instruments | |
|--|------------------|---------------------------|-------------|
| ANGLES | $\pm 1^\circ$ | 2 PLACES | $\pm .010$ |
| FRACTIONS | $\pm 1/32$ | 3 PLACES | $\pm .005$ |
| | $\pm .015$ | 4 PLACES | $\pm .0005$ |
| MATERIAL: | N/A | | DRAWN: |
| FINISH: | N/A | | CHECKED: |
| DATE: | SCALE: | NONE | APPROVED: |
| TITLE: | BISTABLE SHUTTER | DWG NO: | A1090 |
| | | SHEET: | 1 OF 1 |