



**PROPRIETARY DOCUMENT**  
**SIMPLIFIED DRAWING**  
 SEE NOTE 6

NOTES:

1. PRODUCT TYPE: BISTABLE SHUTTER.
2. OPERATION: SHOWN MAGNETICALLY LATCHED IN POSITION #1, SHUTTER SHALL ROTATE  $50^\circ \pm 2$  CW AND LATCH IN POSITION #2 WHEN SUBJECTED TO A 50 MS PULSE AT  $3 \pm .3$  VDC. SHUTTER SHALL RETURN TO POSITION #1 AND LATCH WHEN SUBJECTED TO A REVERSE POLARITY PULSE OF EQUAL MAGNITUDE.
3. COIL: RESISTANCE SHALL BE 7.3 OHMS  $\pm 4\%$  @  $25^\circ\text{C}$ . LEADS SHALL BE RED AND BLACK TEFLON INSULATED WIRE PER M16878 TYPE 30 ET. LEAD LENGTH TO BE  $2.6 \pm .1$  INCHES
4. POLARITY: CW / RED (+) BLK (-) , CCW / RED (-) BLK (+).
5. BLACK ANODIZE SHUTTER AND HOUSING.
6. THIS DRAWING PROVIDES GENERAL PRODUCT INFORMATION. FOR COMPLETE TECHNICAL DETAILS PLEASE CONTACT US AT (203) 544-9341 OR VIA EMAIL AT SALES@BRANDSTROMINSTRUMENTS.COM.

COPYRIGHT © 2010 BRANDSTROM INSTRUMENTS, INC. ALL RIGHTS RESERVED.

| DIMENSION TOLERANCES<br>UNLESS OTHERWISE SPECIFIED |               |          |             |
|--|---------------|----------|-------------|
| 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     |             |
| TITLE:   | DWG NO:       | SHEET:   | REV:        |
| BISTABLE SHUTTER ASSEMBLY                          | A1052-1       | 1 of 1   | B           |

**Brandstrom  
Instruments**