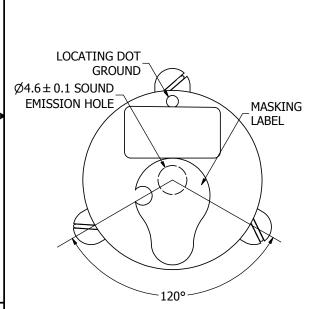
| SPECIFICATIONS          |                              |       |  |  |  |
|-------------------------|------------------------------|-------|--|--|--|
| PARAMETERS              | VALUES                       | UNITS |  |  |  |
| RATED VOLTAGE           | 12                           | Vp-p  |  |  |  |
| OPERATING VOLTAGE RANGE | 3 ~ 28                       | Vp-p  |  |  |  |
| RATED CURRENT (MAX)     | 8                            | mA    |  |  |  |
| CAPACITANCE             | 20,000 ± 30%                 | pF    |  |  |  |
| MINIMUM SPL @ 10 CM     | 93                           | dBA   |  |  |  |
| RESONANT FREQUENCY      | $3,000 \pm 500$              | Hz    |  |  |  |
| OPERATING TEMPERATURE   | -30 ~ +85                    | °C    |  |  |  |
| STORAGE TEMPERATURE     | -40 ~ +95                    | °C    |  |  |  |
| HOUSING MATERIAL        | ABS                          | -     |  |  |  |
| TERMINAL MATERIAL       | Au PLATED<br>PHOSPHER BRONZE | -     |  |  |  |
| WEIGHT                  | 3.7                          | grams |  |  |  |

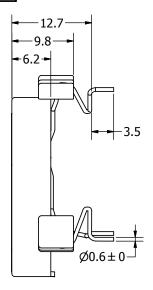
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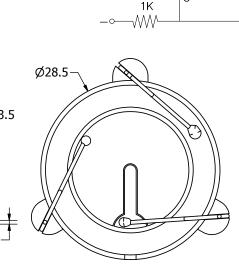
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| REVISION HISTORY |  |            |          |  |  |  |
|------------------|--|------------|----------|--|--|--|
| LTR              | DESCRIPTION                              | DATE       | APPROVED |  |  |  |
| -                | RELEASED FROM ENGINEERING                | 9/12/2005  |          |  |  |  |
| Α                | REVISED TO INVENTOR 3-D DRAWING TEMPLATE | 10/17/2007 | B.R.     |  |  |  |

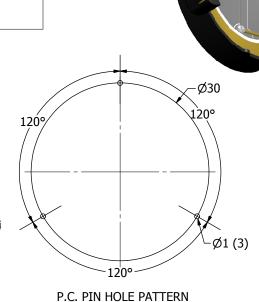
2N2222A







BASIC DRIVING CIRCUIT (FOR TESTING ONLY)



## NOTES:

- 1. ALL DIMENSIONS ARE IN MILLIMETERS.
- 2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL WITHOUT NOTICE.
- 3. THIS PART IS RoHS 2002/95/EC COMPLIANT.
- 4. PART WASHABLE USING DEIONIZED WATER, OR PURE ISOPROPYL ALCOHOL.

| UNLESS OTHERWISE<br>SPECIFIED:                |          | Designed by |
|---|----------|-------------|
|   | SIZE     | J.A.F.      |
| DIMENSIONS ARE IN MILLIMETERS,                |          | $\sim$      |
| TOLERANCES<br>ARE ±0.5 AND<br>ANGLES ARE ±3°. | A3       |             |
| AT-2830-T\                                    | WT-R.idw | 4           |

| J.A.F. | 9/12/2005               | Е | 3.R. |
|--------|-------------------------|---|------|
|        | pui,                    |   |      |
|        | a projects unlimited co |   |      |
|        |                         |   |      |

**≥**220K

10K

 Checked by
 Date
 Approved by
 Date
 Drawn Date

 B.R.
 9/13/2005
 E.P.
 9/13/2005
 10/17/2007

 AT-2830-TWT-R

Transducer (Piezo) | Edition | Sheet | 1/1