

PART SPECIFICATION FOR APPROVAL

| | |
|--------------------|-----------------------|
| CUSTOMER | Ability Research Inc. |
| PART# | CC0401HLX-C1 |
| DESCRIPTION | speaker |
| QUANTITY | N/A |
| DATE | 04/26/2011 |
| # OF PAGES | 3 |

PREPARED BY
 Sophie Cowger- Inside Sales

| rev, | description | date |
|------|-----------------|------------|
| 0.9 | initial release | 04/26/2011 |

Please sign below.

approved by _____
(please print)

signature _____

date _____

Specification sign-off verifies that you have reviewed the entire specification and tested this product and that it meets your requirements. This specification reflects the part as it is to be ordered. Orders will not be processed until the specification approval page has been signed and returned to CUI Inc. This specification is confidential and is not to be distributed without prior approval from CUI Inc.

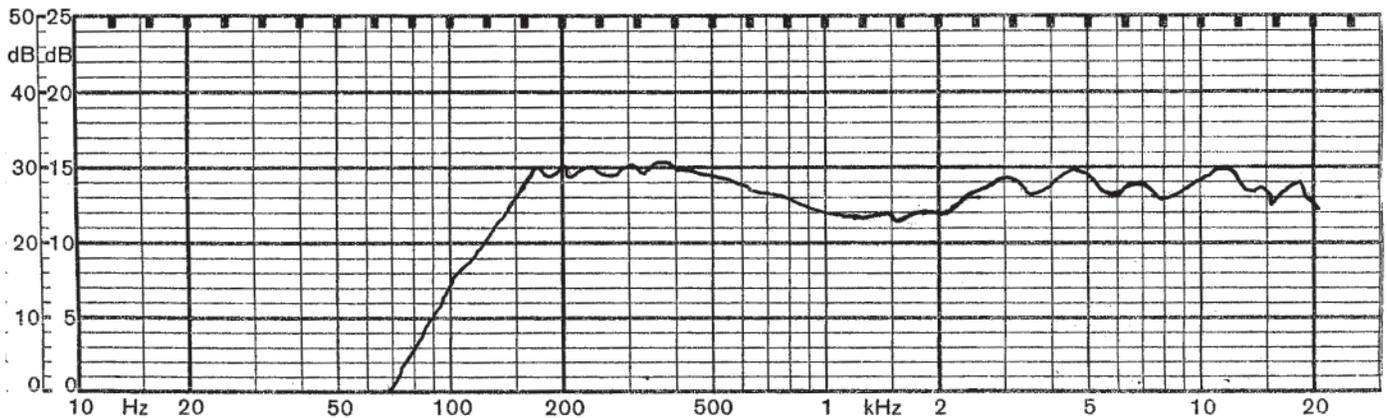
PART NUMBER: CC0401HLX-C1
DESCRIPTION: SPEAKER

SPECIFICATIONS

| parameter | conditions/description | min | nom | max | units |
|----------------------|--|-----|-----|--------|--------------|
| nominal size | 40 mm | | | | |
| impedance | at 1 kHz, 1 V | 6.8 | 8 | 9.2 | Ω |
| resonant frequency | at 1 V | 184 | 230 | 276 | Hz |
| sound pressure level | 1 W, 50 cm ave., at 0.3, 0.4, 0.5, 0.6 kHz | 87 | 90 | 93 | dB |
| response | 10 dB max. | Fo | | 20,000 | Hz |
| input power | | | 2 | 4 | W |
| operation | must be normal at program source | | 2 | | W |
| buzz, rattle, etc. | must be normal at sine wave | | 4 | | V dc |
| magnet | size: 12.5 x 3.0 mm | | | | |
| load test | 24 hours of white noise at | | 2 | | W |
| heat test | 20 ~ 50% RH for 24 hours | 63 | 65 | 67 | $^{\circ}$ C |
| humidity test | 90 ~ 95% RH for 24 hours | 38 | 40 | 42 | $^{\circ}$ C |
| RoHS | yes | | | | |

FREQUENCY RESPONSE CURVE

| parameter | conditions/description |
|-----------------------|------------------------|
| potentiometer range | 50 dB |
| rectifier | RMS |
| lower limit frequency | 20 Hz |
| wr. speed | 100 mm/sec |
| zero level | 60 dB |

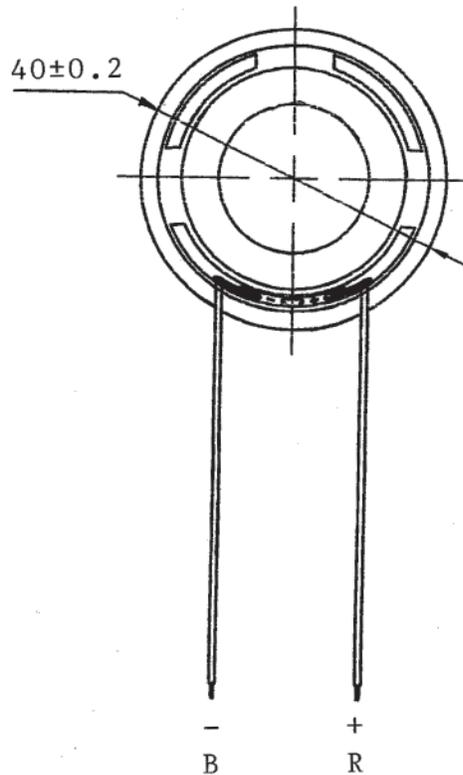


PART NUMBER: CC0401HLX-C1

DESCRIPTION: SPEAKER

MECHANICAL DRAWING

unit: mm

WIRE: UL1007 #28AWG
RED(+) & BLACK(-)
LENGTH: 152±5 M/M