

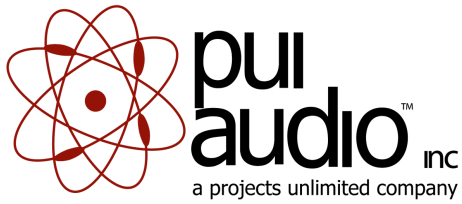
Excellent Integrated System Limited

Stocking Distributor

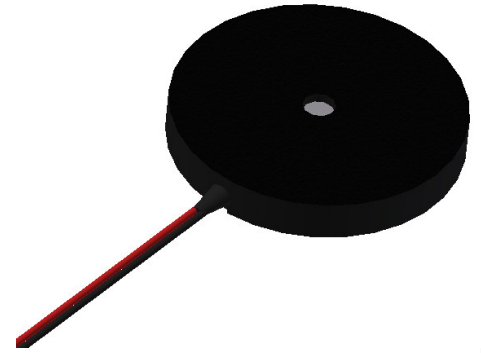
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[PUI Audio, Inc.](#)
[AT-2310-T-LW100-R](#)

For any questions, you can email us directly:
sales@integrated-circuit.com



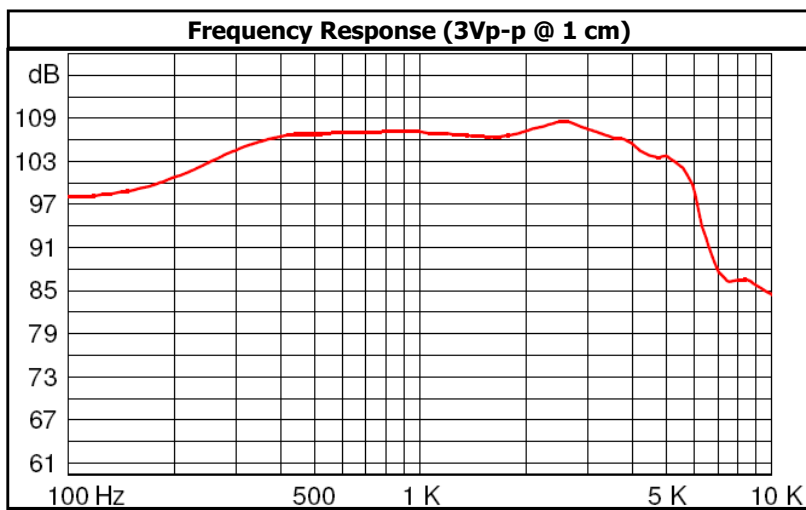
AT-2310-T-LW100-R 22.5mm Transducer

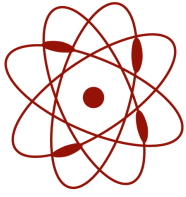


3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- 22.5mm diameter piezo-electric transducer
- 108 dBA minimum output (3 Vp-p @ 1 cm) and 2,000 Hz resonant frequency
- Thin 3.2mm ABS housing for space-limited applications
- 100mm UL1571 32 AWG lead wires for quick connection





pui audio inc
a projects unlimited company

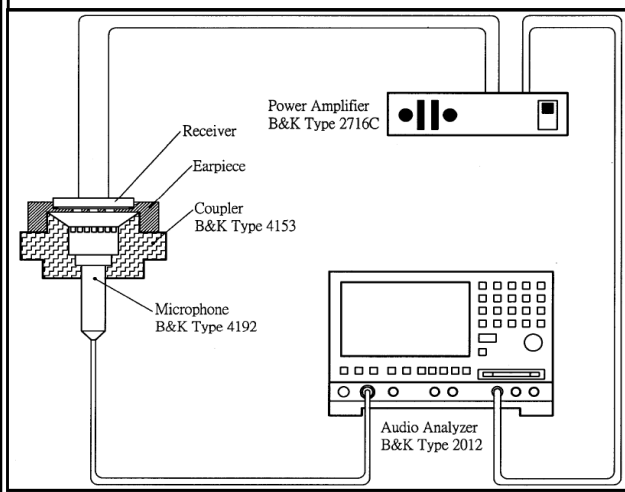
AT-2310-T-LW100-R 22.5mm Transducer

Mechanical and Environment Testing

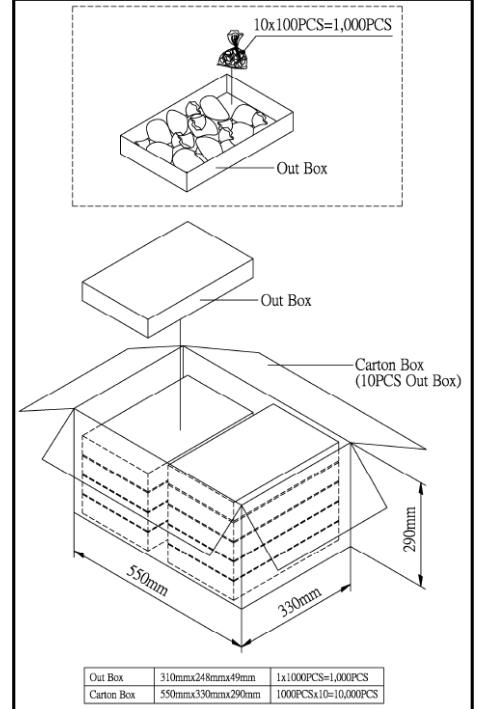
| Test Description | Test Condition |
|------------------|---|
| High Temperature | 95°C (±2°C) with random humidity for 240 hours |
| Low Temperature | -40°C (±2°C) with random humidity for 240 hours |
| Humidity | 40°C (±2°C) with 95% relative humidity for 240 hours |
| Vibration | 1.5 mm movement modulated at 10-55 Hz in 3 directions for 2 hours |
| Drop Test | 75 cm free fall onto wood board, 10 cycles |

After tests, part shall rest for 2 hours. SPL shall not deviate more than ±3.5 dB.

Frequency Response and SPL Measurement Setup



Packaging



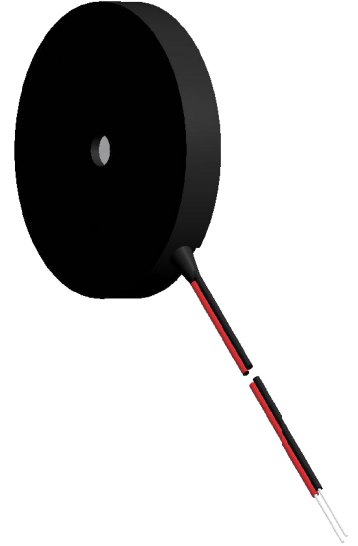
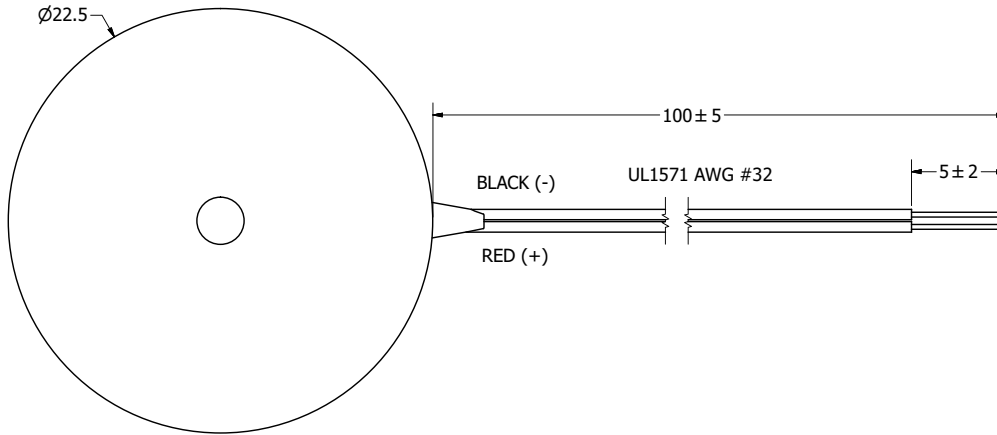
SPECIFICATIONS

| PARAMETERS | VALUES | UNITS |
|-------------------------|--------------|-------|
| RATED VOLTAGE | 3 | Vp-p |
| OPERATING VOLTAGE RANGE | 1 ~ 12 | Vp-p |
| RATED CURRENT (MAX) | 3 | mA |
| CAPACITANCE | 90,000 ± 30% | pF |
| MINIMUM SPL @ 1 CM | 108±3 | dB |
| RESONANT FREQUENCY | 2,000 ± 500 | Hz |
| OPERATING TEMPERATURE | -30 ~ +85 | °C |
| STORAGE TEMPERATURE | -40 ~ +95 | °C |
| HOUSING MATERIAL | ABS | - |
| TERMINAL MATERIAL | LEAD WIRE | - |
| WEIGHT | 1.1 | grams |

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REVISION HISTORY

| LTR | DESCRIPTION | DATE | APPROVED |
|-----|--|------------|----------|
| - | RELEASED FROM ENGINEERING | 10/25/2006 | |
| A | REVISED RESONANT FREQUENCY | 6/16/2008 | B.R. |
| B | REVISED RATED VOLTAGE AND SPL | 1/5/2010 | B.R. |
| C | REVISED TO INVENTOR 3-D DRAWING TEMPLATE | 6/8/2010 | B.R. |
| D | REVISED SPL DISTANCE | 5/27/2010 | B.R. |



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.

| | | | | | | | | | |
|--|------|-------------|------------|-------------------|------------|-------------|------------|--------------------|--|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS, TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°. | SIZE | Designed by | Date | Checked by | Date | Approved by | Date | Drawn Date | |
| | A3 | J.D. | 10/26/2006 | R.W. | 10/25/2006 | B.R. | 10/26/2006 | 6/8/2010 | |
| AT-2310-T-LW100-R.idw | | | | AT-2310-T-LW100-R | | | | Transducer (Piezo) | |
| | | | | | | | Edition | Sheet | |
| | | | | | | | - | 1 / 1 | |