



**THE DATASHEET OF
AT-2440-TWT-R**



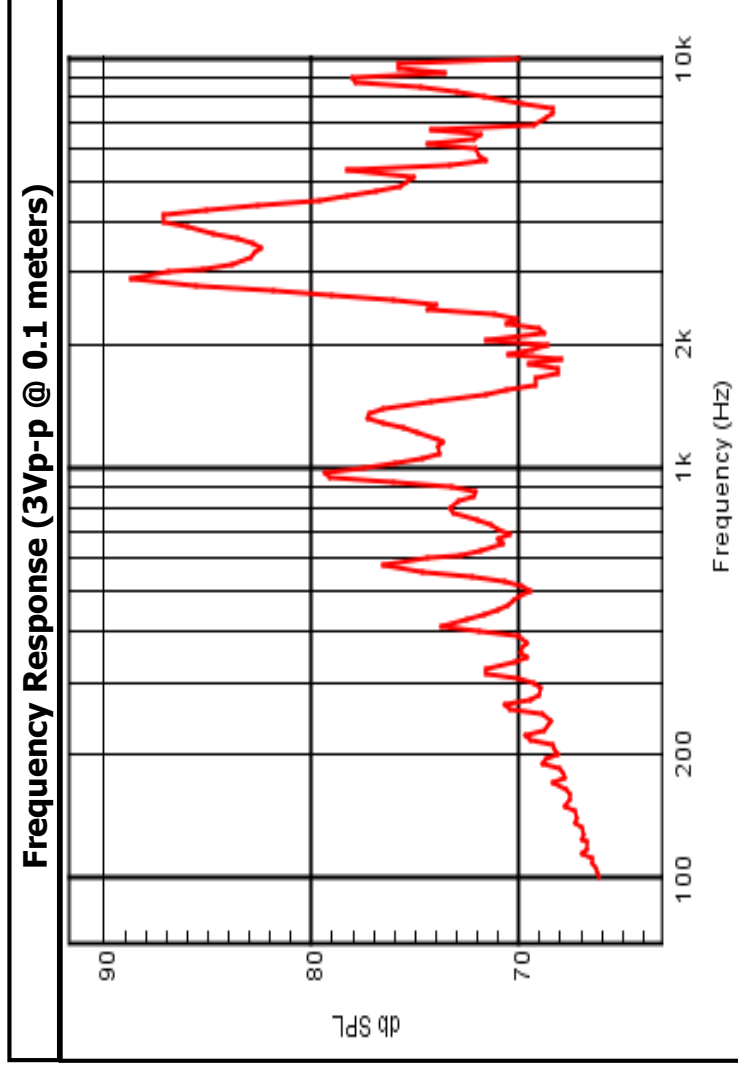


3541 Stop Eight Road • Dayton, Ohio 45414

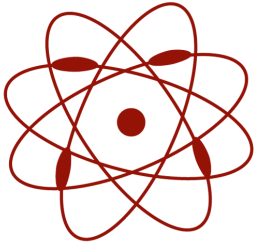
AT-2440-TWT-R 24mm Transducer

Product Overview

- 24mm diameter piezo-electric transducer with thru-hole pins
- 80 dBA minimum output (3 Vp-p @ 10 cm) and 4 kHz resonant frequency
- Noryl™ housing withstands Wave soldering temperatures
- Removable wash tag preserves performance



© 2014 PUI Audio, Inc. All rights reserved.



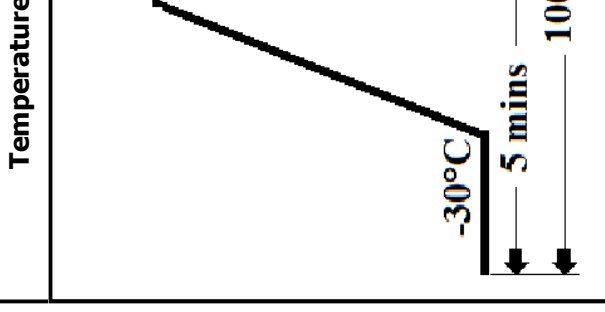
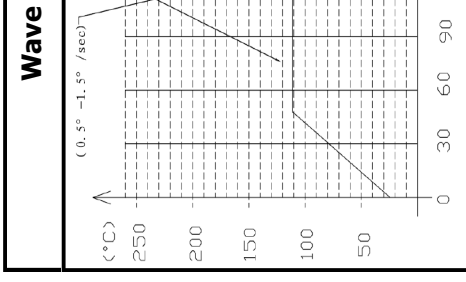
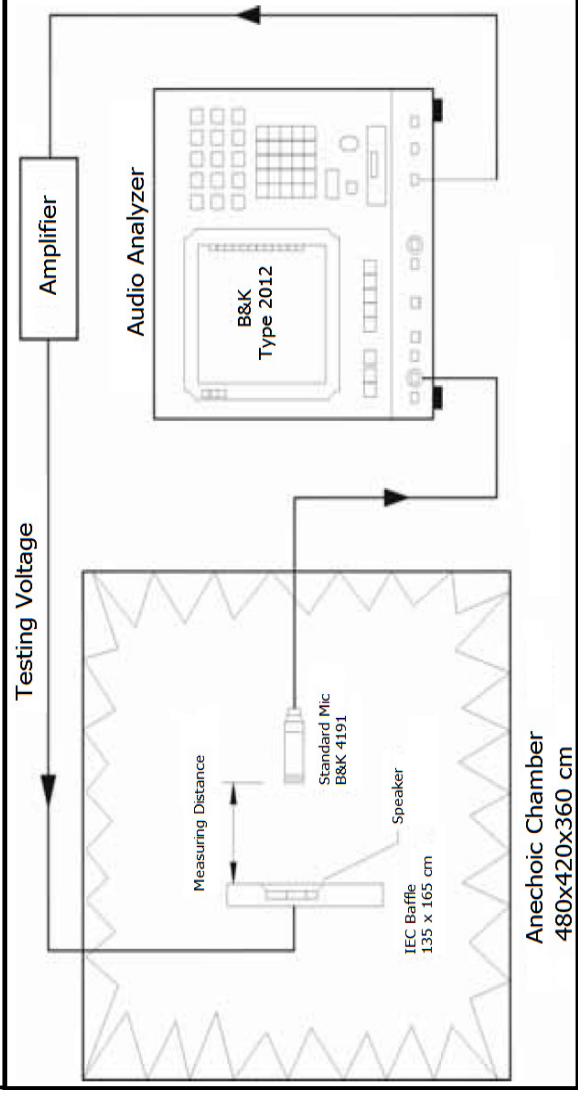
puj
audio™
inc
a projects unlimited company

AT-2440-TWT-R 24mm Transducer

Mechanical and Environment Testing	
Test Description	Test Condition
High Temperature	70°C ($\pm 2^\circ\text{C}$) with random humidity for 96 hours
Low Temperature	-30°C ($\pm 2^\circ\text{C}$) with random humidity for 96 hours
Humidity	40°C ($\pm 2^\circ\text{C}$) with 90% to 95% relative humidity for 96 hours
Vibration	0.75 mm movement modulated at 10-55 Hz for 3 hours
Drop Test	100 cm free fall onto wood board, 10 cycles
Temperature Cycle Test	-30°C to 70°C, 100 cycles

After tests, part shall rest for 2 hours. Parts are then tested for clean, pure tones.

Frequency Response and SPL Measurement Setup



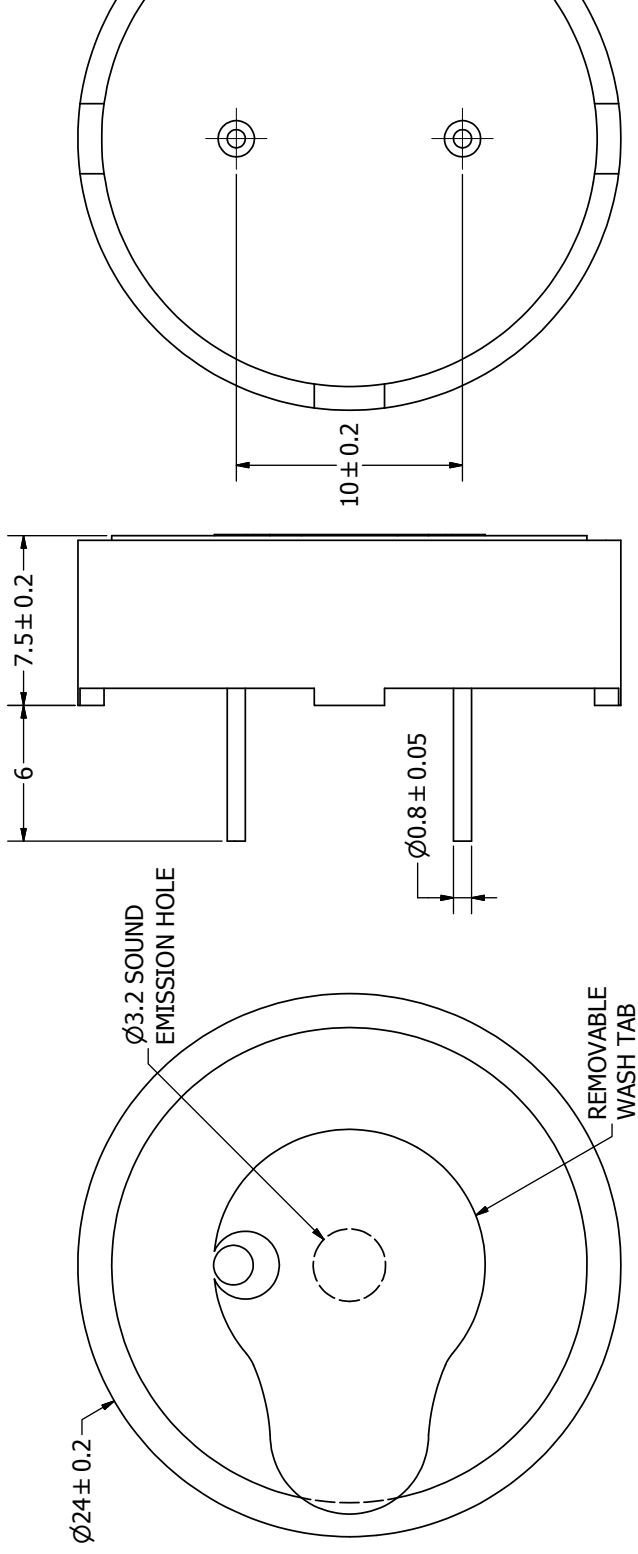
SPECIFICATIONS

PARAMETERS	VALUES	UNITS
RATED VOLTAGE	3	Vp-p
OPERATING VOLTAGE RANGE	1 ~ 30	Vp-p
RATED CURRENT (MAX)	1	mA
CAPACITANCE	21,000 ± 30%	pF
MINIMUM SPL @ 10 CM	80	dBA
RESONANT FREQUENCY	4,000 ± 500	Hz
OPERATING TEMPERATURE	-20 ~ +60	°C
STORAGE TEMPERATURE	-30 ~ +70	°C
HOUSING MATERIAL	NORYL	-
TERMINAL MATERIAL	Sn PLATED RED COPPER	-
WEIGHT	3	grams

THIS DOCUMENT CONTAINS DATA PROPRIETARY TO PROJECTS UNLIMITED, INC. ANY USE OR REPRODUCTION, IN ANY FORM, WITHOUT PRIOR WRITTEN PERMISSION OF PROJECTS UNLIMITED, INC. IS PROHIBITED.

©2003, Projects Unlimited Inc.

LTR	DESCRIPTION	REVISION HISTO
-	RELEASED FROM ENGINEERING	
A	REVISED DRAWING TITLE	
B	REMOVED LEAD FREE ADDED RoHS NO	
C	REVISED POSITIVE TERMINAL INDICAT	
D	REVISED TERMINAL MATERIAL	
E	REVISED TO INVENTOR 3-D DRAWING TEM	



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWAL 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

A3

AT-2440-TWT-R.idw

Designed by
J.D.

Date
12/31/2007

Checked by
X.X.

Date
7/18/2007



pui audio
inc
a projects unlimited company

Transco

A



Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View AT-2440-TWT-R on WIN SOURCE](#)

 [PUI Audio, Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management