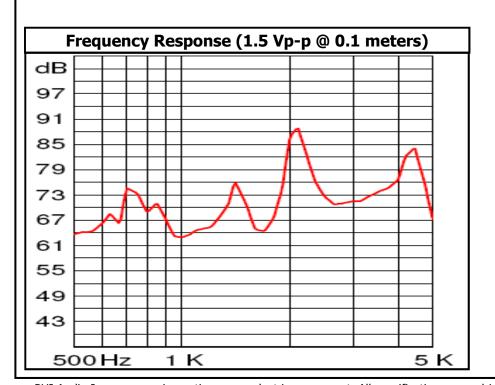


AT-1220-TT-R 12mm Transducer

3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

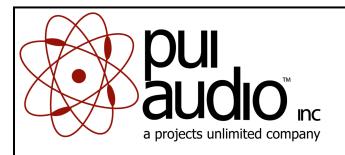
- 12mm diameter electro-mechanical transducer with low 10 mA current draw
- 82 dBA minimum output (1.5 Vp-p @ 10 cm) and 2,048 Hz resonant frequency
- Noryl™ housing withstands Wave soldering temperatures
- Removable wash tag preserves performance





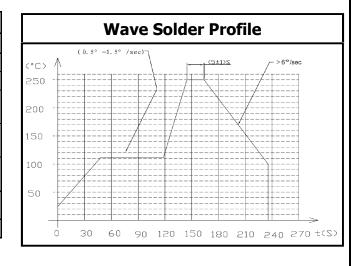


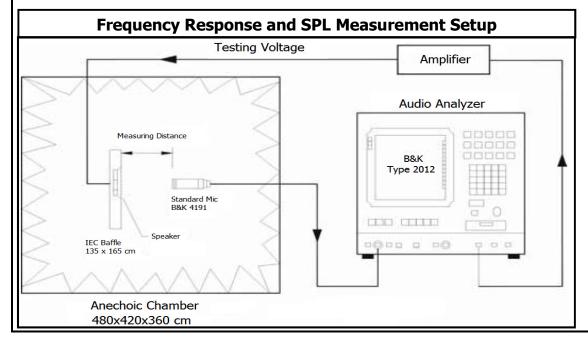


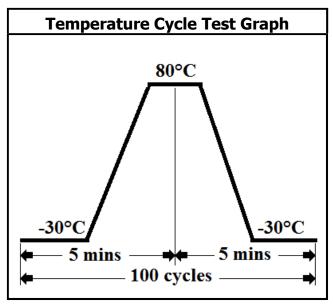


AT-1220-TT-R 12mm Transducer

Mechanical and Environment Testing					
Test Description	Test Description Test Condition				
High Temperature	80°C (±2°C) with random humidity for 96 hours				
Low Temperature	-30°C (±2°C) with random humidity for 96 hours				
Humidity	40°C (±2°C) with 90% to 95% relative humidity				
Vibration	0.75 mm movement modulated at 10-55 Hz for				
Drop Test	100 cm free fall onto 40 mm wood board, 3 axis, 2 cycles per axis				
Temperature Cycle Test	-30°C to 80°C, 100 cycles				
After tests, part shall rest for 2 hours. Parts are then tested for clean, pure tones.					





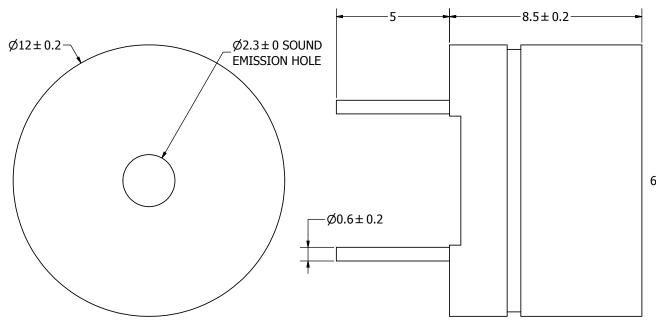


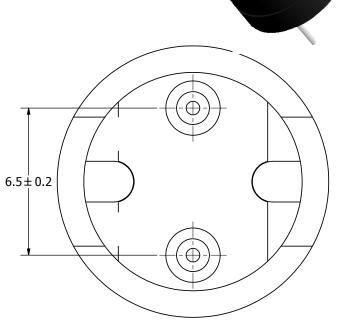
SPECIFICATIONS						
PARAMETERS	VALUES	UNITS				
RATED VOLTAGE	1.5	Vp-p				
OPERATING VOLTAGE RANGE	1 ~ 3	Vp-p				
RATED CURRENT (MAX)	10	mA				
COIL RESISTANCE	42 ± 6	OHM				
MINIMUM SPL @ 10 CM	82	dBA				
RESONANT FREQUENCY	2,048 ± 500	Hz				
OPERATING TEMPERATURE	-20 ~ +70	°C				
STORAGE TEMPERATURE	-30 ~ +80	°C				
HOUSING MATERIAL	NORYL	-				
TERMINIAL MATERIAL	Sn PLATED					
TERMINAL MATERIAL	RED COPPER	_				
WEIGHT	2	grams				

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)	REVISION HISTORY						
	LTR	DESCRIPTION	DATE	APPROVED			
Γ	-	RELEASED FROM ENGINEERING	9/2/2004				
	Α	REMOVED LEAD FREE ADDED RoHS NOTE	8/10/2005				
В		REVISED MINIMUM SPL	11/29/2007	R.W.			
	С	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	4/7/2008	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.

MENSIONS ARE IN	SIZE	R.A.C.	9/2/2004	
MILLIMETERS,		∞		
TOLERANCES ARE ±0.5 AND	A 3		pul.	
ANGLES ARE ±3°.	, (או ולוכ	™
AT 1220 T	T D idw		audic	nc If

Designed by

AT-1220-TT-R

Date

9/2/2004

Drawn Date

4/7/2008

Sheet

1/1

Transducer (Electro-Mech)

Approved by

R.W.

Checked by

Date

4

UNLESS OTHERWISE