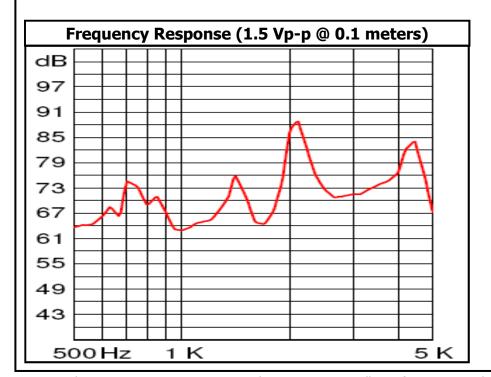


AT-1220-TT-R 12mm Transducer

3541 Stop Eight Road ● Dayton, Ohio 45414

Product Overview

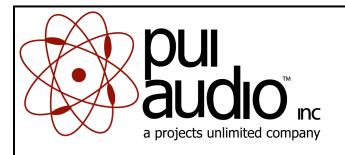
- 12mm diameter electro-mechanical transducer with low 10 mA current draw
- 82 dBA minimum output (1.5 Vp-p @ 10 cm) and 2,048 kHz resonant frequency
- Noryl™ housing withstands Wave soldering temperatures
- Removable wash tag preserves performance





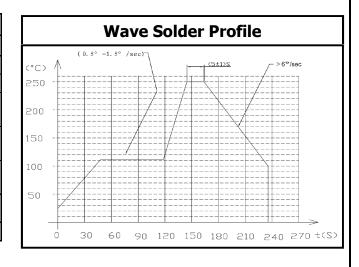


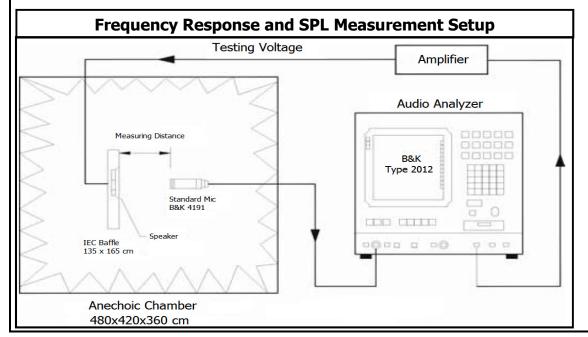


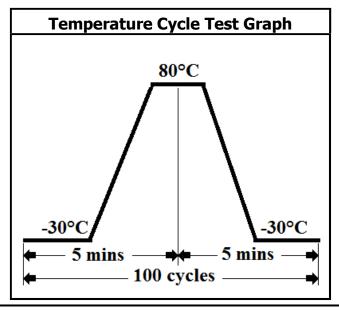


AT-1220-TT-R 12mm Transducer

Mechanical and Environment Testing				
Test Description	ription 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 hou			
Humidity	40°C (±2°C) with 90% to 95% relative humidity for 96 hours			
Vibration	0.75 mm movement modulated at 10-55 Hz for 2 hours			
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.				





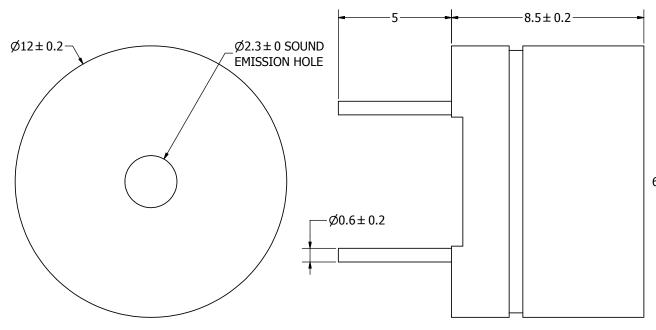


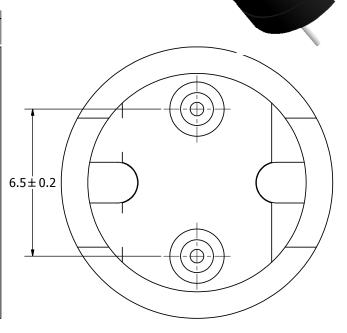
SPECIFICATIONS					
PARAMETERS	VALUES	UNITS			
RATED VOLTAGE	1.5	Vp-p			
OPERATING VOLTAGE RANGE	1 ~ 3	Vp-p			
RATED CURRENT (MAX)	10	mA			
COIL RESISTANCE	42 ± 6	OHM			
MINIMUM SPL @ 10 CM	82	dBA			
RESONANT FREQUENCY	2,048 ± 500	Hz			
OPERATING TEMPERATURE	-20 ~ +70	°C			
STORAGE TEMPERATURE	-30 ~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

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כ		REVISION HISTORY		
	LTR	DESCRIPTION	DATE	APPROVED
	-	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.

UNLESS OTHERWISE SPECIFIED:		Designed by	Date	
DIMENSIONS ARE IN	SIZE	R.A.C.	9/2/20	
MILLIMETERS,		\sim		
TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	A3	pul		
AT-1220-T	T-R.idw	TXT	a projects unlin	

Checked by Approved by Date Date Date Drawn Date 9/2/2004 4/7/2008 004 R.W. AT-1220-TT-R

Transducer (Electro-Mech)

Sheet

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