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audio™ inc
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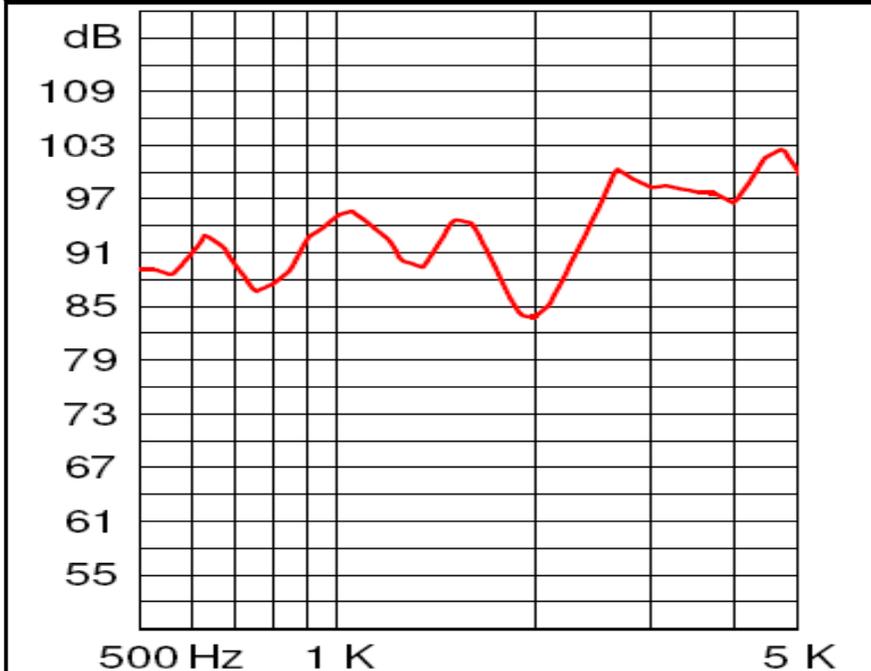
SMT-1427-S-R 14x11mm Transducer

3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- Side-firing electromechanical transducer designed for 3 to 7 Vp-p
- Small footprint with loud 85 dB output
- 2,700 Hz resonant frequency targets most sensitive region of human hearing
- Designed for reflow soldering with a lead-free reflow profile

Frequency Response (3.6 Vp-p @ 0.1 meters)



RoHS Compliant (Pb-free)



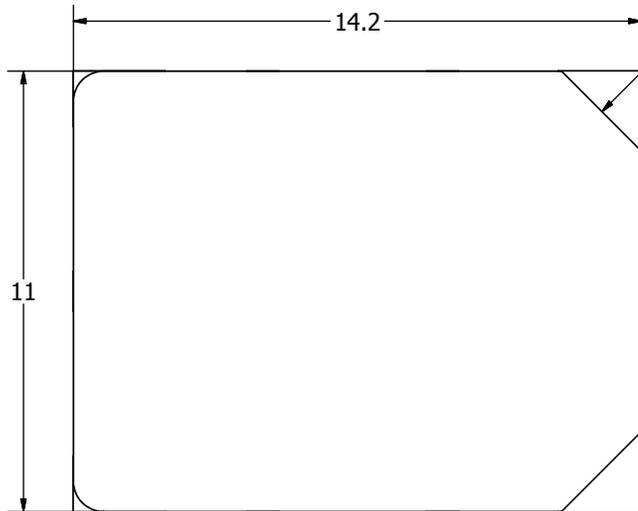
SPECIFICATIONS

PARAMETERS	VALUES	UNITS
RATED VOLTAGE	5	Vp-p
OPERATING VOLTAGE RANGE	3 ~ 7	Vp-p
RATED CURRENT (MAX)	80	mA
COIL RESISTANCE	30 ± 4.5	OHM
MINIMUM SPL @ 10 CM	85	dBA
RESONANT FREQUENCY	2,700 ± 500	Hz
OPERATING TEMPERATURE	-30 ~ +60	°C
STORAGE TEMPERATURE	-40 ~ +85	°C
HOUSING MATERIAL	LCP	-
TERMINAL MATERIAL	Sn PLATED PHOSPHOR BRONZE	-
WEIGHT	0.7	grams

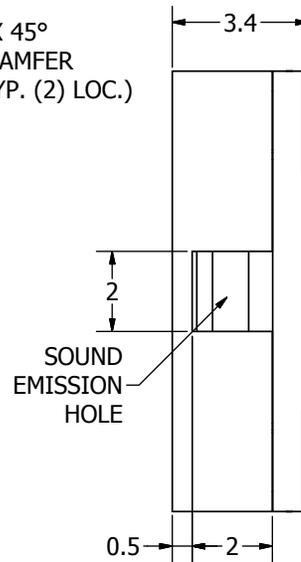
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REVISION HISTORY

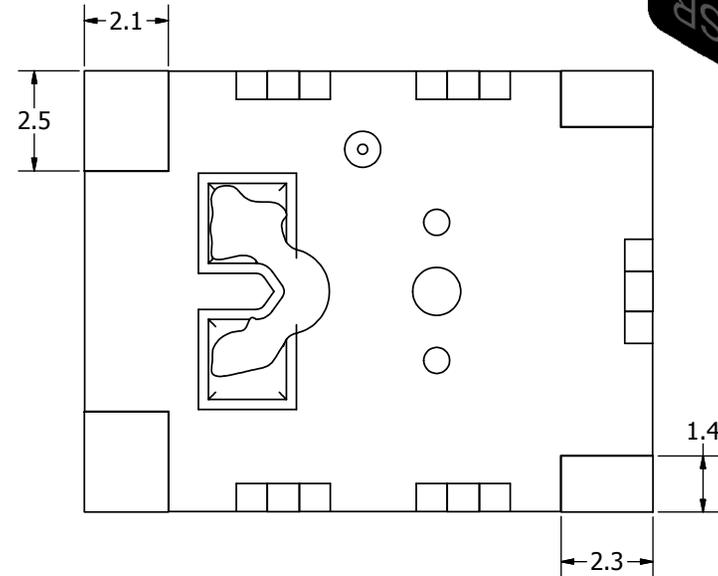
LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	5/9/2006	
A	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	5/10/2010	B.R.



2 X 45°
CHAMFER
(TYP. (2) LOC.)



SOUND
EMISSION
HOLE



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	Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date	
		J.D.	5/9/2006	E.P.	5/9/2006	B.R.	5/9/2006	5/10/2010	
SMT-1427-S-R.idw		 pui audio a projects unlimited company				SMT-1427-S-R Transducer (Electro-Mech)		Edition -	Sheet 1 / 1

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