



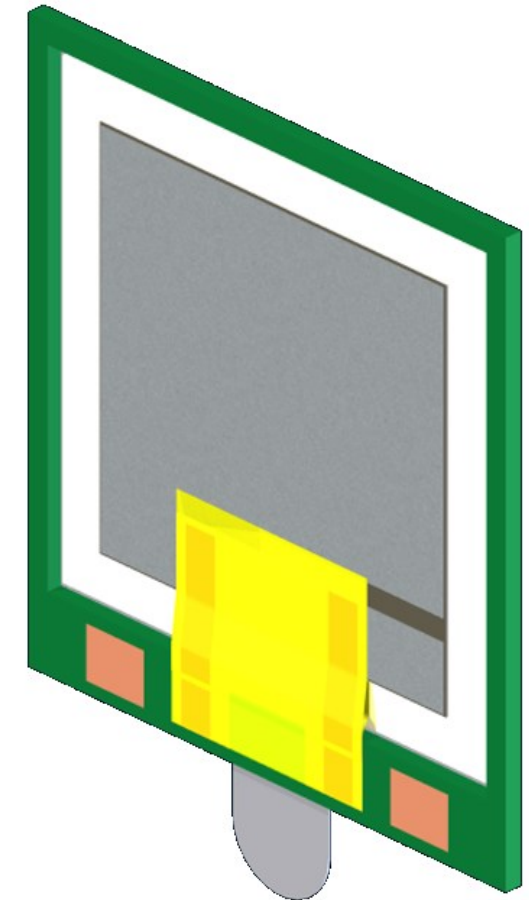
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APS2718S-T-R Piezo Speaker

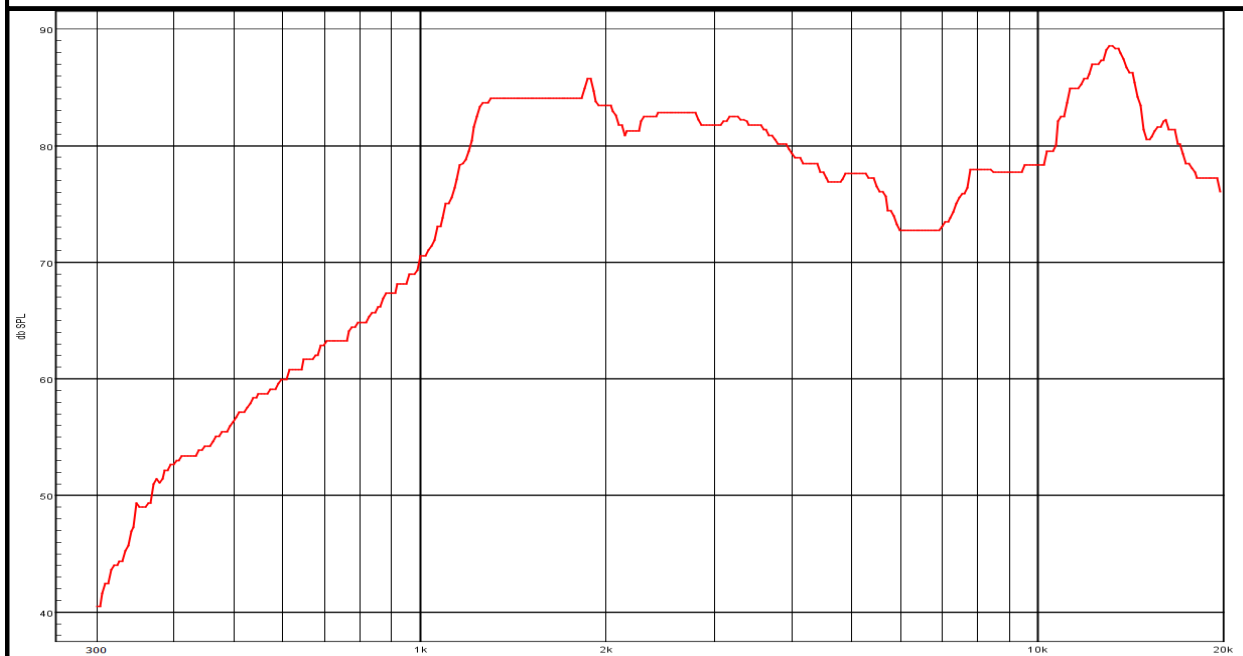
3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- 27.3 x 24.8 mm speaker built using a piezo ceramic for minimum current draw
- Designed to work with signals as high as 20Vp-p
- Only 0.8 mm thick for slim devices that need high output
- Double-sided tape for peel-and-stick mounting

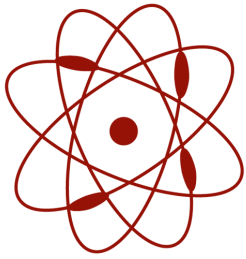


Frequency Response (3Vrms @ 10 cm)



An Initiative of the EICC and GeSI





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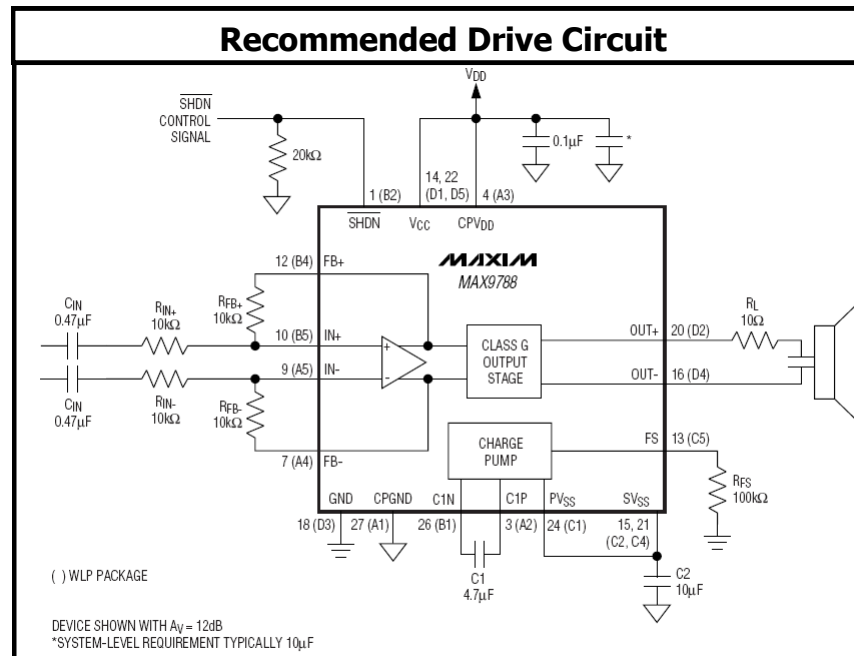
APS2718S-T-R Piezo Speaker

Mechanical and Environment Testing

Test Description	Test Condition
High Temperature	85°C with random humidity for 240 hours
Low Temperature	-30°C with random humidity for 240 hours
Humidity	60°C with 90% to 95% relative humidity for 240 hours
Vibration	1.5 mm movement modulated at 10 to 55 Hz for 2 hours
Drop Test	150 cm free fall while in 150g jig, 3 cycles per side
Temperature Cycle Test	-30°C for 30 minutes to 85°C for 30 minutes, 20 cycles

After 4 hours at rest, resonant frequency shall be $\pm 10\%$ of original value with capacitance $\pm 20\%$ of original value.

Recommended Drive Circuit



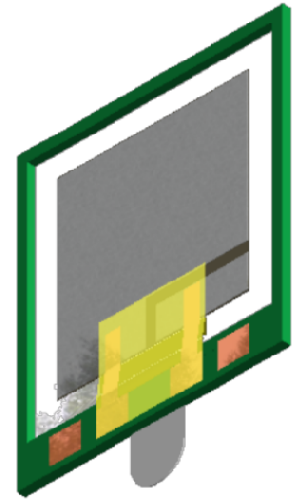
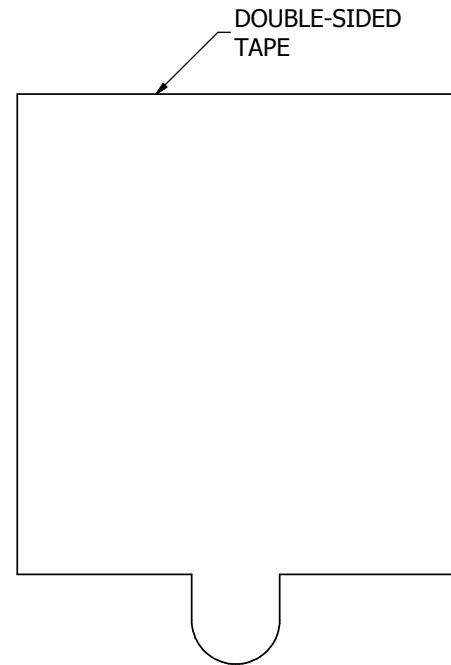
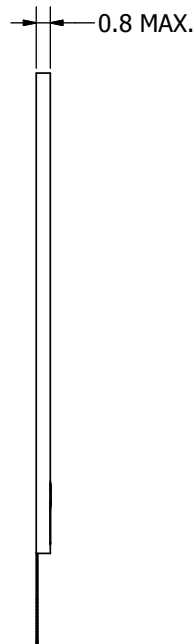
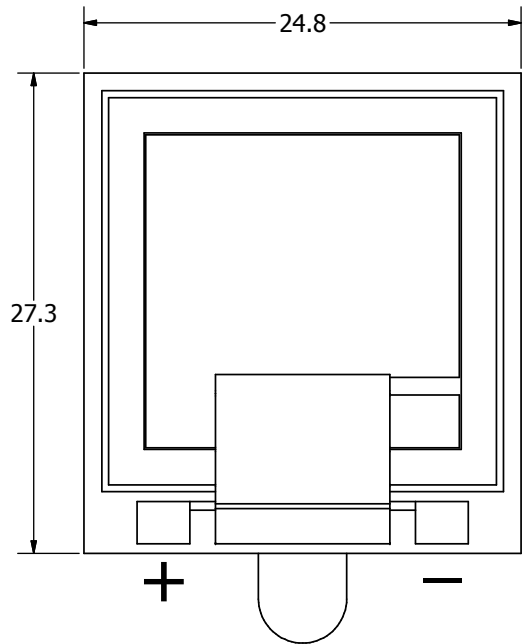
SPECIFICATIONS

PARAMETERS	VALUES	UNIT
RATED INPUT VOLTAGE	3	Vrms
MAX INPUT VOLTAGE	20	Vp-p
MINIMUM OUTPUT SPL @ 3Vrms/10CM (AT 1.0, 1.5, 2.0, 3.0 kHz)	75	dBa
RESONANT FREQUENCY	1,800 ± 20%	Hz
FREQUENCY RANGE	300 ~ 20,000	Hz
HOUSING MATERIAL	STAINLESS STEEL	-
OPERATING TEMPERATURE	-20 ~ +70	°C
WEIGHT	1.3	grams

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REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	2/9/2010	
A	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	5/25/2010	B.R.
B	REVISED MAX INPUT VOLTAGE	6/1/2011	B.R.
C	REVISED SPL MEASURED AT POINTS (kHz)	1/20/2012	B.R.
D	REVISED OPERATING TEMPERATURE	9/26/2016	M.V.



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	Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date
	A3	B.R.	2/9/2010	C.W.	2/9/2010	B.R.	2/9/2010	5/25/2010
	APS2718S-T-R.idw	 pui audio <small>a projects unlimited company</small>			APS2718S-T-R Speaker		Edition	Sheet
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