

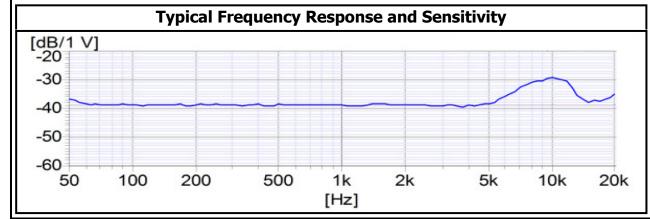
## POM-2738L-R Omni-Directional Microphone



3541 Stop Eight Road • Dayton, Ohio 45414

#### **Product Overview**

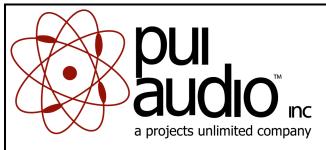
- 6mm overall diameter and 2.7mm height with solder pads
- -38 dB sensitivity for use in most environments
- Wide 2 to 10 VDC operating voltage and 50-16,000 Hz frequency response
- 60 dB signal-to-noise ratio and 2.2 kOhm impedance
- Omni-directional polar pattern for great off-axis response





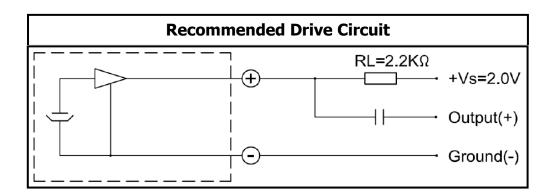


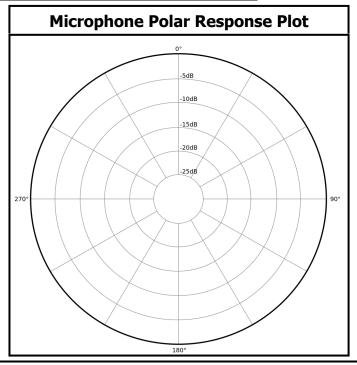




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Mechanical and Environment Testing				
Test Description	Test Condition			
High Temperature	70°C with random humidity for 200 hours			
Low Temperature	-40°C with random humidity for 200 hours			
Humidity	40°C with 90% relative humidity for 200 hours			
Vibration	3 mm movement for 3 minutes in each of 3 axis			
Drop Test	70 cm free fall onto 20 mm thick board, two directions			
Temperature Cycle Test	-40°C to 70°C, 5 cycles			



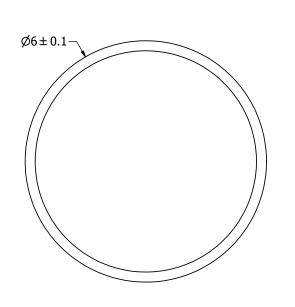


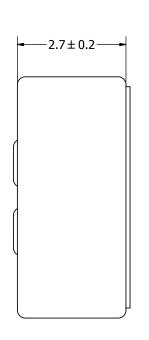
SPECIFICATIONS				
VALUES	UNIT			
OMINI	-			
-38 ± 3	dB			
2	Vdc			
10	Vdc			
0.5	mA			
2.2	KOhm			
60	dB			
SOLDER PADS	-			
N/A	pF			
	VALUES  OMINI  -38 ± 3  2  10  0.5  2.2  60  SOLDER PADS			

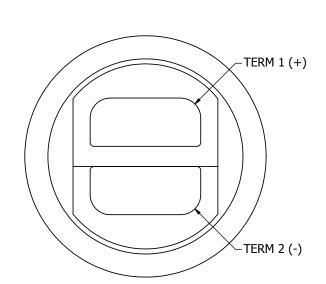
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I	REVISION HISTORY				
	LTR	DESCRIPTION	DATE	APPROVED	
	-	RELEASED FROM ENGINEERING	1/25/2006		
	Α	ADDED TERMINAL POLARITY	2/2/2007	D.F.	
	В	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	10/5/2010	B.R.	







#### 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		Designed by	Date
SPECIFIED: DIMENSIONS ARE IN MILLIMETERS,	SIZE	J.A.F.	1/25/200
		00	n II
TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	A3		pul
5014.070			'auu

	POM-2738L-R							
Е	.P.	1/25/2006	B.R.	1/25/2006	10/5/2010			
HECKEU Dy		Date	Approved by	Date	Diawii Date			

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**Authorized Distributor** 

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PUI Audio: POM-2738L-R