

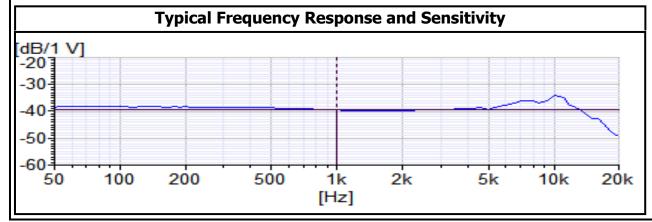
AOM-6738L-R Omni-Directional Microphone

3541 Stop Eight Road • Dayton, Ohio 45414



Product Overview

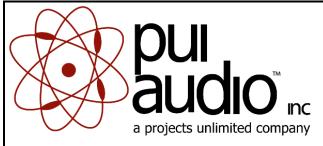
- 9.7mm overall diameter and 6.7mm height with solder pads
- -38 dB sensitivity for use in most environments
- Wide 1.5 to 10 VDC operating voltage and 50-16,000 Hz frequency response
- >60 dB signal-to-noise ratio and 2.2 kOhm impedance
- Omni-directional polar pattern for great off-axis response





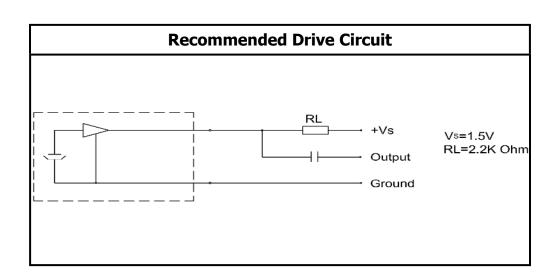


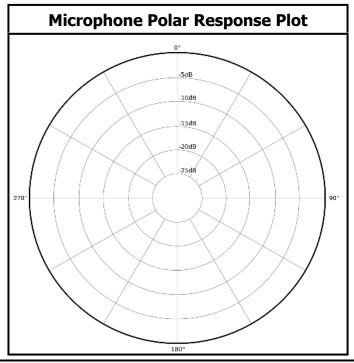




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Mechanical and Environment Testing					
Test Description	Test Condition				
High Temperature	70°C with random humidity for 200 hours				
Low Temperature	-25°C with random humidity for 200 hours				
Humidity	40°C with 90% relative humidity for 200 hours				
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	-10°C to 50°C, 5 cycles				



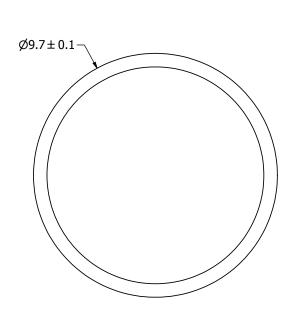


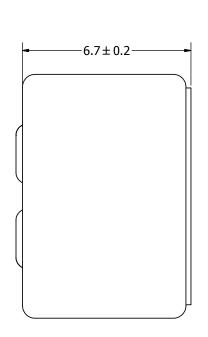
SPECIFICATIONS							
VALUES	UNIT						
OMINI	-						
-38 ± 3	dB						
1.5	Vdc						
10	Vdc						
0.5	mA						
2.2	KOhm						
60	dB						
SOLDER PADS	-						
N/A	pF						
	VALUES OMINI -38 ± 3 1.5 10 0.5 2.2 60 SOLDER PADS						

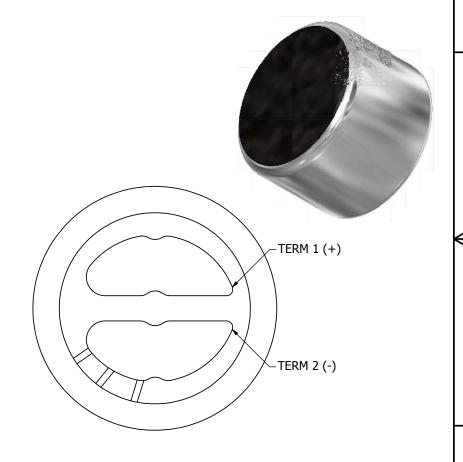
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REVISION HISTORY						
LTR	DESCRIPTION	DATE	APPROVED			
-	RELEASED FROM ENGINEERING	1/30/2006				
Α	ADDED TERMINAL POLARITY	1/30/2007	R.W.			
В	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	9/17/2010	B.R.			







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	Checked	by Date	Approved by	
SPECIFIED: DIMENSIONS ARE IN	SIZE	J.A.F.	1/30/2006	E.P.	1/30/2006	B.R.	
MILLIMETERS, TOLERANCES ARE ±0.5 AND	A3	pui.			AOM-67		
ANGLES ARE ±3°.	, (0		AL ICIC	<u></u>	Micror	hone	
AOM-6738	BL-R.idw	$-\infty$	a projects unlimited co	mpany	Microphon Microphon		

AOM-6738L-R

Microphone | Edition | Sheet | 1/1

Date

1/30/2006 9/17/2010

Drawn Date