

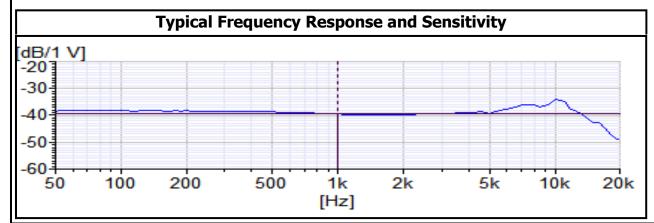
AOM-6738L-R Omni-Directional Microphone

3541 Stop Eight Road • Dayton, Ohio 45414



Product Overview

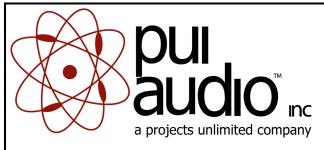
- 9.7mm overall diameter and 6.7mm height with solder pads
- -38 dB sensitivity for use in most environments
- Wide 1.5 to 10 VDC operating voltage and 50-16,000 Hz frequency response
- >60 dB signal-to-noise ratio and 2.2 kOhm impedance
- Omni-directional polar pattern for great off-axis response





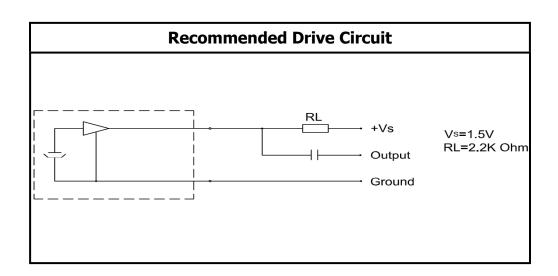


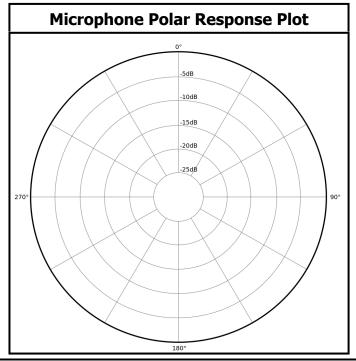




AOM-6738L-R Omni-Directional Microphone

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	Drop Test 70 cm free fall onto 20 mm thick board, two directions	
Temperature Cycle Test	-10°C to 50°C, 5 cycles	

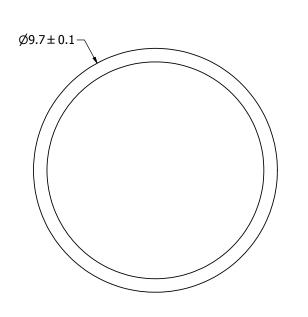


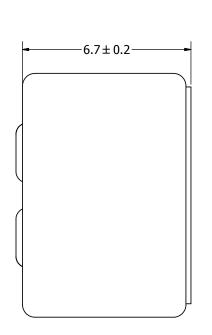


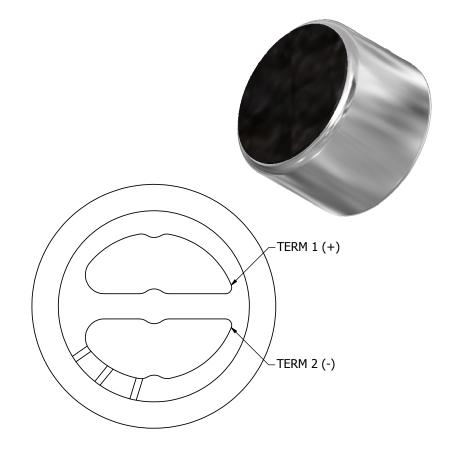
SPECIFICATIONS			
VALUES	UNIT		
OMINI	-		
-38 ± 3	dB		
1.5	Vdc		
10	Vdc		
0.5	mA		
2.2	KOhm		
60	dB		
SOLDER PADS	-		
N/A	pF		
	VALUES OMINI -38 ± 3 1.5 10 0.5 2.2 60 SOLDER PADS		

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	REVISION HISTORY			
LTR	DESCRIPTION	DATE	APPROVED	
ı	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 SPECIFIED:		Designed by
	SIZE	J.A.F.
DIMENSIONS ARE IN MILLIMETERS,		\sim
TOLERANCES ARE ±0.5 AND	A 3	
ANGLES ARE ±3°.	,	
AOM-6738	BL-R.idw	400

J.A.F.	1/30/2006	Е	Ξ.Ι
	pul.		
	a projects unlimited co	Inc	

Checked by

AOM-6738L-R					
	1/30/2006	B.R.	1/30/2006	9/17/2010	
У	Date	Approved by	Date	Drawn Date	

Edition Sheet Microphone 1/1