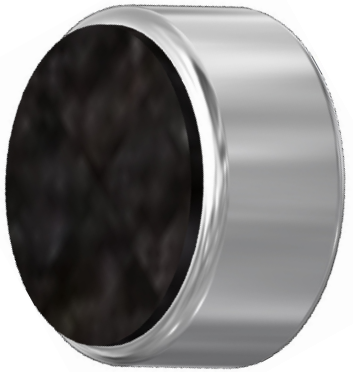
pui audio™ inc
a projects unlimited company
3541 Stop Eight Road • Dayton, Ohio 45414

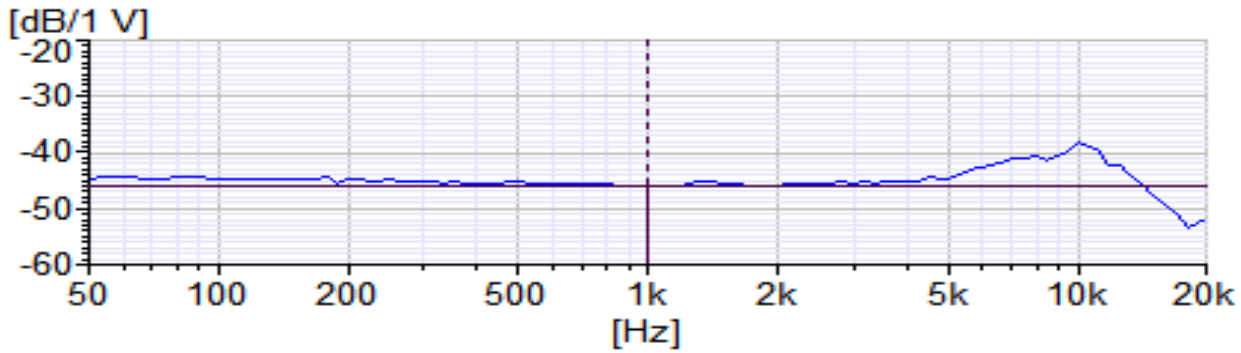
POM-2244L-C33-R
Omni-Directional Microphone



Product Overview

- 6mm overall diameter and 2.2mm height
- -45 dB sensitivity for use in most environments
- Wide 2 to 10 VDC operating voltage and 100-10,000 Hz frequency response
- >60 dB signal-to-noise ratio and 2.2 kOhm impedance
- Omni-directional polar pattern for great off-axis response
- Internal 33 pF capacitor filters out GSM TDMA noise

Typical Frequency Response and Sensitivity

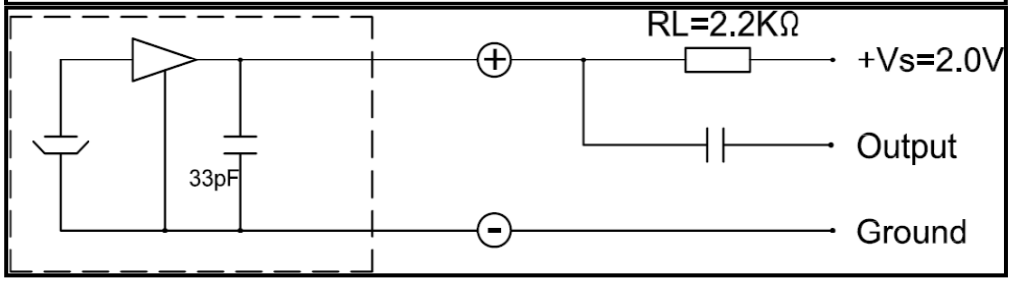


PUI Audio Inc. engages in continuous product improvement. All specifications are subject to change without notice. www.puiaudio.com. Copyright © 2015. Last Revised 11/15.

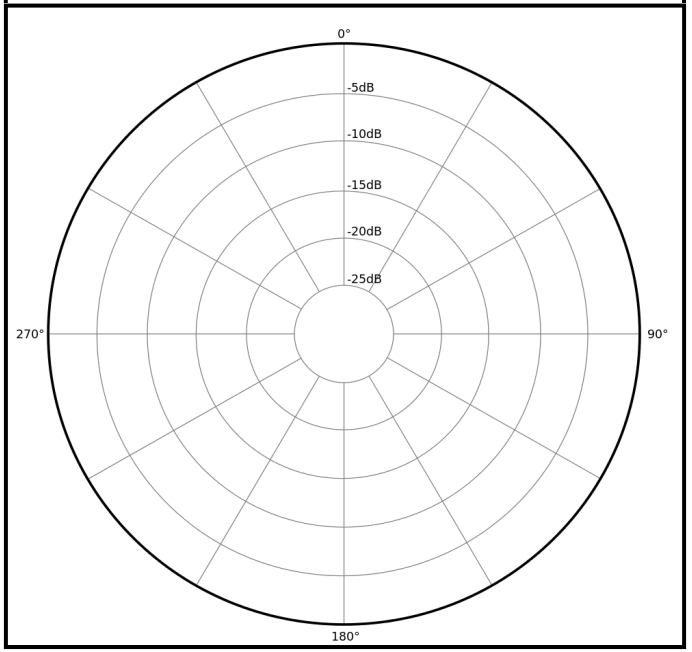
POM-2244L-C33-R
Omni-Directional Microphone

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	-10°C to 50°C, 5 cycles

Recommended Drive Circuit



Microphone Polar Response Plot



PUI Audio Inc. engages in continuous product improvement. All specifications are subject to change without notice. www.puiaudio.com. Copyright © 2015. Last Revised 10/15.

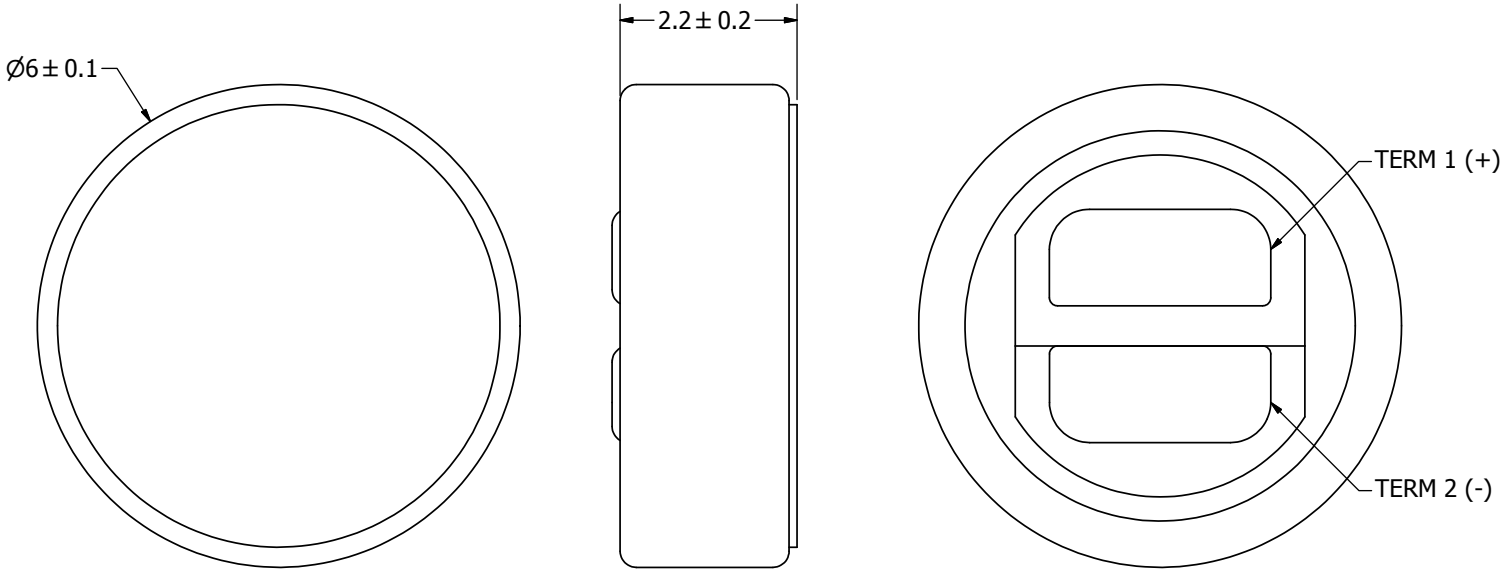
SPECIFICATIONS

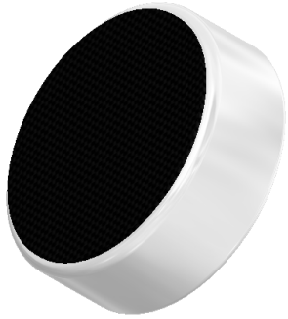
PARAMETERS	VALUES	UNIT
DIRECTIVITY	OMINI	-
SENSITIVTY	-44 ± 2	dB
STANDARD OPERATING VOLTAGE	2	Vdc
MAX OPERATING VOLTAGE	10	Vdc
CURRENT CONSUMPTION (MAX)	0.2	mA
IMPEDANCE	2.2	KOhm
SIGNAL TO NOISE RATIO (MIN.)	60	dB
TERMINAL	SOLDER PADS	-
INTERNAL CAPACITOR	33	pF

THIS DOCUMENT CONTAINS DATA PROPRIETARY TO PROJECTS UNLIMITED, INC. ANY USE OR REPRODUCTION, IN ANY FORM, WITHOUT PRIOR WRITTEN PERMISSION OF PROJECTS UNLIMITED, INC. IS PROHIBITED.
©2003, Projects Unlimited Inc.

REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	10/31/2005	
A	REVISED CURRENT CONSUMPTION	9/25/2006	B.R.
B	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	9/27/2010	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: DIMENSIONS ARE IN MILLIMETERS, TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	SIZE	Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date
		J.A.F.	10/31/2005	B.R.	11/1/2005	E.P.	11/1/2005	9/27/2010

POM-2244L-C33-R.idw	pui audio inc a projects unlimited company	POM-2244L-C33-R		
		Microphone	Edition -	Sheet 1 / 1