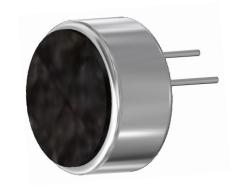


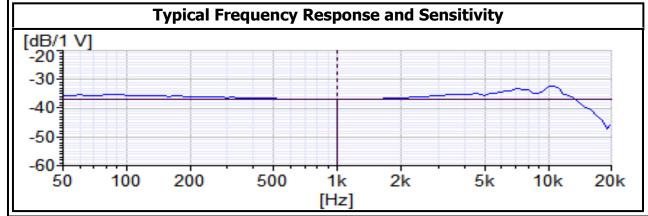
POM-2738P-C33-R Omni-Directional Microphone

3541 Stop Eight Road • Dayton, Ohio 45414



Product Overview

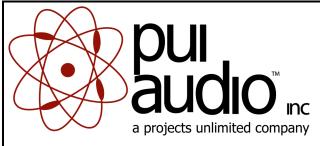
- 6mm overall diameter and 2.7mm height with pin terminals
- -38 dB sensitivity for use in most environments
- Wide 2 to 10 VDC operating voltage and 50-16,000 Hz frequency response
- >60 dB signal-to-noise ratio and 2.2 kOhm impedance
- Omni-directional polar pattern for great off-axis response
- Internal 33 pF capacitor filters out GSM TDMA noise





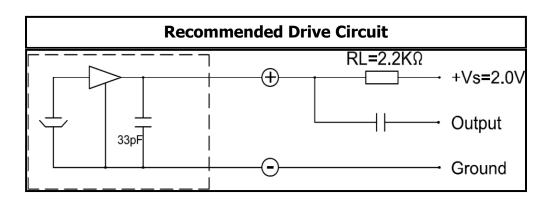


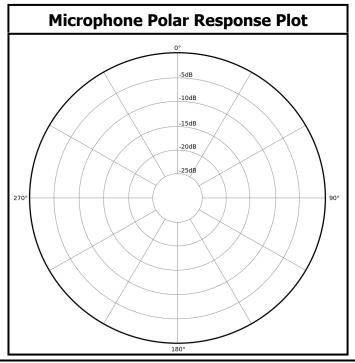




POM-2738P-C33-R Omni-Directional Microphone

Mechanical and Environment Testing				
Test Description	Test Description Test Condition			
High Temperature	70°C with random humidity for 200 hours			
Low Temperature	-40°C with random humidity for 200 hours 40°C with 90% relative humidity for 200 hours 3 mm movement for 3 minutes in each of 3 axis			
Humidity				
Vibration				
Drop Test	70 cm free fall onto 20 mm thick board, two directions			
Temperature Cycle Test	-10°C to 50°C, 5 cycles			





SPECIFICATIONS				
PARAMETERS	VALUES	UNIT		
DIRECTIVITY	OMINI	-		
SENSITIVTY	-38 ± 3	dB		
STANDARD OPERATING VOLTAGE	2	Vdc		
MAX OPERATING VOLTAGE	10	Vdc		
CURRENT CONSUMPTION (MAX)	0.5	mA		
IMPEDANCE	2.2	KOhm		
SIGNAL TO NOISE RATIO (MIN.)	60	dB		
TERMINAL	PIN	-		
INTERNAL CAPACITOR	33	pF		

1. ALL DIMENSIONS ARE IN MILLIMETERS.

3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

WITHOUT NOTICE.

2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL

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0	REVISION HISTORY					
	LTR	DESCRIPTION	DATE	APPROVED		
	-	RELEASED FROM ENGINEERING	1/24/2006			
	Α	ADDED TERMINAL POLARITY	2/2/2007	D.F.		
	В	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	10/6/2010	B.R.		

Checked by

B.R.

Date

1/24/2006

Designed by

SIZE

Date

1/24/2006

Approved by

E.P.

Microphone

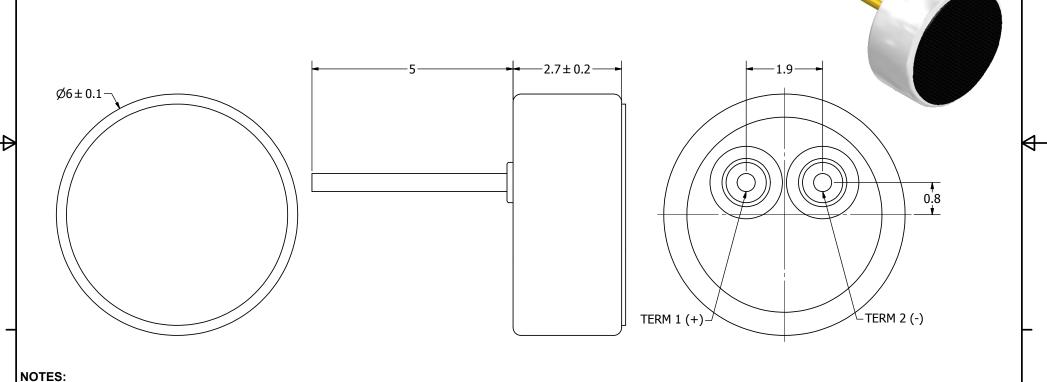
POM-2738P-C33-R

Date

1/24/2006 10/6/2010

Drawn Date

1/1



UNLESS OTHERWISE

SPECIFIED:

DIMENSIONS ARE IN

MILLIMETERS,

TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.

POM-2738P-C33-R.idw