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.

© 2005, Projects Unlimited Inc.

SPECIFICATIONS

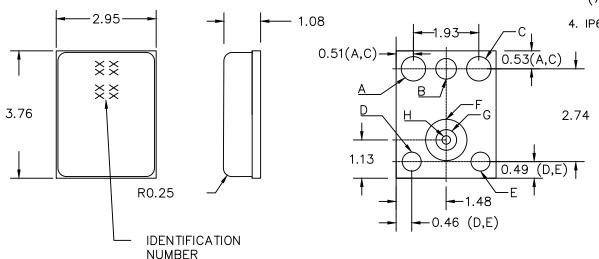
PARAMETERS	VALUES	UNITS
DIRECTIVITY	OMNI	_
SENSITIVITY (0 dB=1V/Pa @ 1 kHz)	-38±3	dB
STANDARD OPERATING VOLTAGE	2.1	Vdc
OPERATING VOLTAGE RANGE	1.6 - 3.6	Vdc
CURRENT CONSUMPTION (TYPICAL)	150	μA
IMPEDANCE	≤400	Ohm
SIGNAL TO NOISE RATIO (TYPICAL)	61	dB
FREQUENCY RANGE	100 - 10,000	Hz
MAX INPUT SOUND LEVEL (FOR <10% DISTORTION)	125	dB

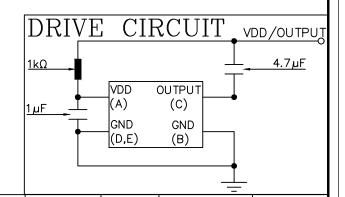
	REVISIONS			
LTR DESCRIPTION		DATE	APPROVED	
-	RELEASED FROM ENGINEERING	7/15/16		

NOTES:

DESCRIPTION

- ALL DIMENSIONS ARE IN MILLIMETERS. TOLERANCE FOR EACH LISTED DIMENSION IS ±0.1MM.
- 2. SPECIFICATION SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.
- 3. LAND PATTERN DIMENSIONS ARE EXACTLY THE SAME SIZE AND SHAPE AS PADS ON PIEZO MEMS SENSOR. RECOMMENDED SOLDER PASTE HEIGHT IS 3-5 MILS (75µm to 125µm).
- 4. IP68 INGRESS PROTECTION RATING FOR DUST AND WATER.





MOMINIAT

DESCRIPTION	LABEL	MIIN	NOMINAL	MAX
POWER	Α	0.62	0.72	0.82
GND	В	0.51	0.61	0.71
OUTPUT	С	0.62	0.72	0.82
GND	D	0.46	0.56	0.66
GND	E	0.46	0.56	0.66
OUTER ACOUSTIC SEAL	F	1.12	1.22	1.32
INNER ACOUSTIC SEAL	G	0.51	0.61	0.71
ACOUSTIC HOLE	Н	0.15	0.25	0.35

MIN

וים כו או

UNLESS OTHERWISE SPECIFIED:

ALL PURCHASES ARE SUBJECT TO THE PUI AUDIO TERMS AND CONDITIONS SALE FOUND A' http://www.puiaudio.com/pdf/terms_conditions.pdf (paper copy available upon request).

DIMENSIONS ARE IN MILLIMETERS, TOLERANCES ARE ±0.1 AND ANGLES ARE ±3°.

APPROVALS			DATE	
DRAWN	M. V.	7,	/16	ŀ
CHECKED	M. V.	7,	/16	
APPROVED	R R	7	/16	(

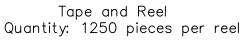
pul audio nc a projects unlimited company

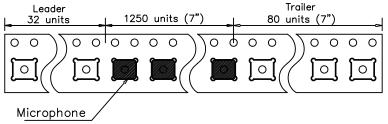
3541 Stop Eight Road Dayton, Ohio 45414

PIEZO MEMS MICROPHONE size I drawing no.

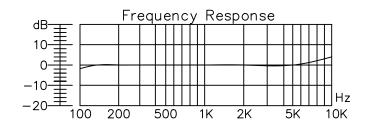
7/16 A PMM-3738-WP-R

7/16 SCALE: N.T.S. SHEET 1 OF 1

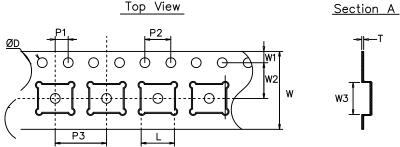




REVISIONS DESCRIPTION LTR DATE APPROVED 7/15/16 RELEASED FROM ENGINEERING



Tape Layout



23 L					
	Symbol	Millimeter			
	Зуптвог	Minimum	Nominal	Maximum	
	Øр	1.5	1.5	1.6	
	P1	1.9	2.0	2.1	
	P2	3.9	4.0	4.1	
	P3	7.9	8.0	8.1	
	L	3.73	3.83	3.93	
	W	11.7	12	12.3	
	W1	1.65	1.75	1.85	
	W2	5.4	5.5	5.6	

2.98

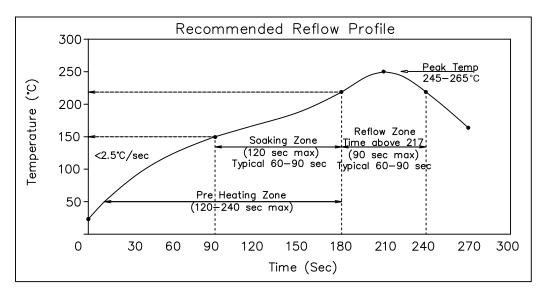
0.3

3.08

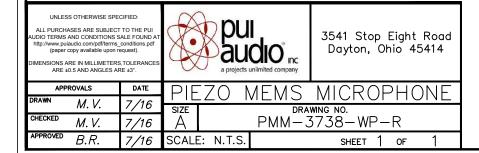
0.35

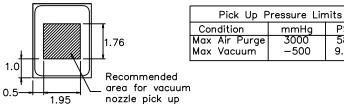
2.88

W3



Pickup Tool Pick Location





location

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.

PSI

58

9.6

© 2005, Projects Unlimited Inc.