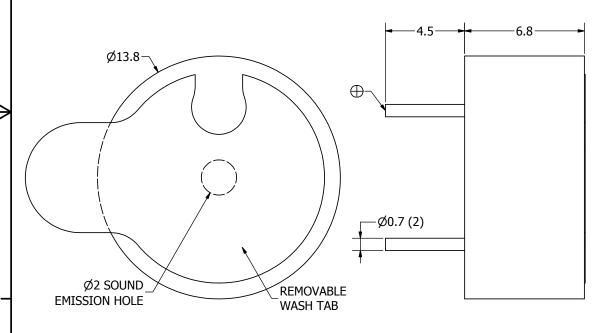
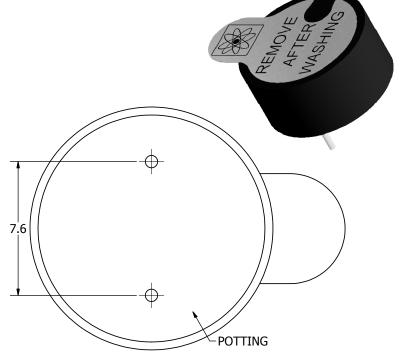
SPECIFICATIONS					
PARAMETERS	VALUES	UNITS			
RATED VOLTAGE	5	Vp-p			
OPERATING VOLTAGE RANGE	1 ~ 20	Vp-p			
RATED CURRENT (MAX)	1	mA			
CAPACITANCE	13,000 ± 30%	pF			
MINIMUM SPL @ 10 CM	80	dBA			
RESONANT FREQUENCY	3,800 ± 500	Hz			
OPERATING TEMPERATURE	-30 ~ +80	°C			
STORAGE TEMPERATURE	-30 ~ +80	°C			
HOUSING MATERIAL	NORYL	-			
TERMINAL MATERIAL	Sn PLATED RED COPPER	-			
WEIGHT	1	grams			

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	REVISION HISTORY				
	LTR	DESCRIPTION	DATE	APPROVED	
	-	RELEASED FROM ENGINEERING	8/17/2004		
	Α	REMOVED LEAD FREE ADDE ROHS NOTE	8/10/2005		
	В	REVISED TERMINAL MATERIAL	1/24/2006	B.R.	
	С	REVISED HOUSING MATERIAL	11/13/2006	B.R.	
	D	ADDED LABEL & POLARITY MARKING	11/22/2006	B.R.	
	Е	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	4/16/2008	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:		
U = U = U	SIZE	R.A.C.
DIMENSIONS ARE IN MILLIMETERS,		$\sim$
TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	A3	XXX
AT-1438-TWT-R.idw		1

R.A.C.	8/17/2004	
	pul.	
	a projects unlimited co	Inc

Date

 Checked by
 Date
 Approved by
 Date
 Drawn Date

 R.W.
 8/17/2004
 4/16/2008

AT-1438-TWT-R

Transducer (Piezo) | Edition | Sheet 1/1