

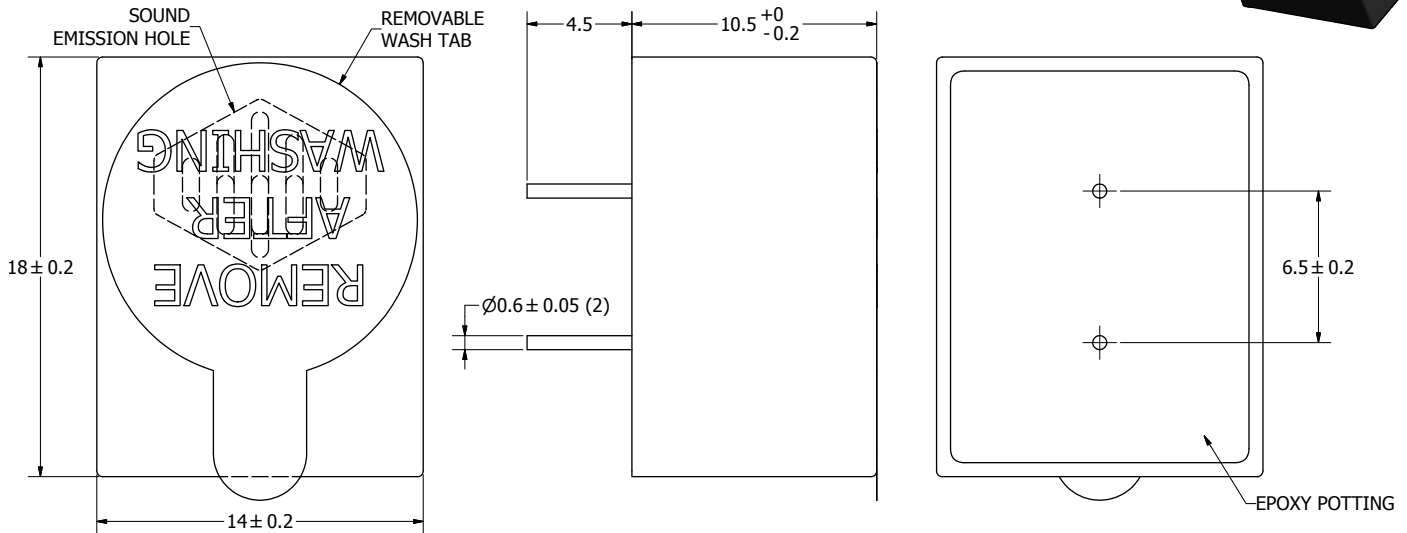
## SPECIFICATIONS

PARAMETERS	VALUES	UNIT
RATED VOLTAGE	12	Vdc
OPERATING VOLTAGE RANGE	6 ~ 15	Vdc
RATED CURRENT (MAX)	40	mA
COIL RESISTANCE	120 ± 18	OHM
MINIMUM SPL @ 10 CM	85	dba
RESONANT FREQUENCY	2,048 ± 500	Hz
OPERATING TEMPERATURE	-20 ~ +80	°C
STORAGE TEMPERATURE	-30 ~ +85	°C
HOUSING MATERIAL	NORYL	-
TERMINAL MATERIAL	Sn PLATED COPPER	-
WEIGHT	7	grams

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## REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	3/21/2006	
A	REVISED PART HEIGHT DIMENSION	5/11/2010	B.R.
B	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	5/12/2010	B.R.



### NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.
3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS, TOLERANCES ARE $\pm 0.5$ AND ANGLES ARE $\pm 3^\circ$ .	SIZE <b>A3</b>	Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date
		T.G.	3/21/2006	B.R.	3/21/2006	E.P.	3/21/2006	5/12/2010
AT-1820-TWT-12V-R.idw		 <b>AT-1820-TWT-12V-R</b> Transducer (Electro-Mech)				Edition	Sheet	
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