




**MESSRS. *Ivent***

## SPECIFICATION FOR APPROVAL

<b>Product</b>	<b>PIEZO INDICATOR</b>
<b>Part No.</b>	<b>AZI-23Y33W</b>
<b>Customer Approval</b>	
<b>Customer Part No.</b>	

<b>Approved By</b>	<b>Checked By</b>	<b>Made By</b>
		



## Advanced Acoustic Technology Corporation



ISO 9001 Certified  
ISO 14001 Certified



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# 1. SPECIFICATION

AZI-23Y33W

ITEM		UNITS	SPECIFICATIONS	CONDITIONS
01	Rated Voltage	V	12	
02	Operating Voltage	V	3~ 20	
03	Consumption Current	mA (MAX)	20	Rated Voltage
04	Resonant Frequency	Hz	3300 ± 500	Rated Voltage
05	Response times	ms	≥ 100	
06	Sound pressure level	dB(A) Min.	90	Distance at 30cm Rated Voltage
07	Tone Nature	Single		
07	Operating Temp.	°C	-20 ~ +60	
08	Storage Temp.	°C	-30 ~ +70	
09	Weight	g	3.8 ± 1.1	
10	Housing Material		ABS	

# 2. MEASURING METHOD

## 2-1. Test Condition

STANDARD

Temperature : 15 ~ 35°C

Relative humidity : 25% ~ 85%,

Atmospheric pressure: 860mbar to 1060mbar.

JUDGEMENT

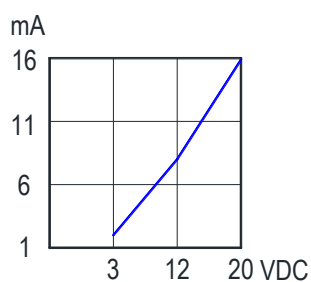
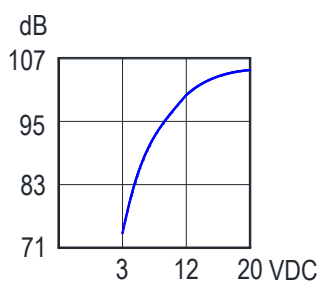
Temperature : 20±3°C

Relative humidity : 60% ~ 70%,

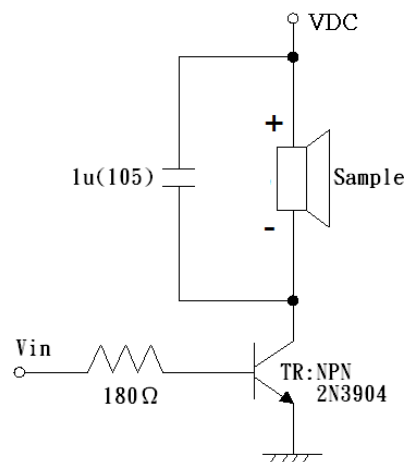
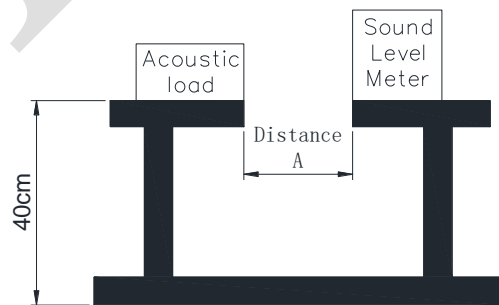
Atmospheric pressure : 860mbar to 1060mbar

## 2-3. Response Curve (For Reference Only)

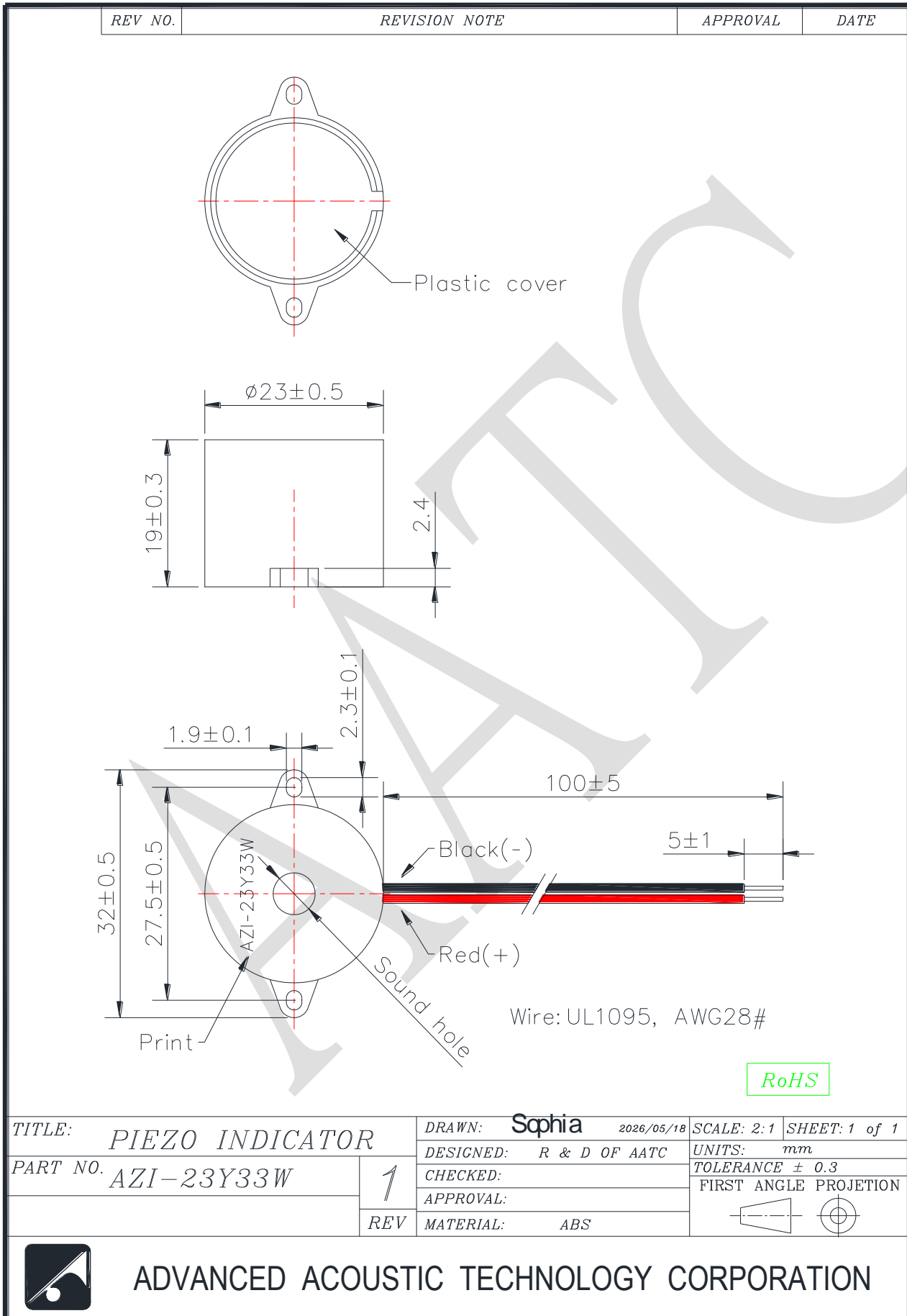
Test distance : A=30 cm



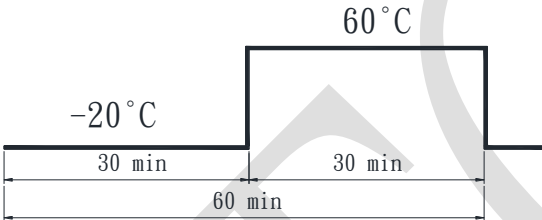
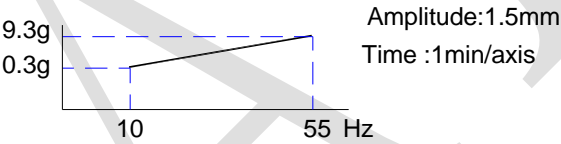
## 2-2. Standard Test Fixture



### 3. DIMENSIONS



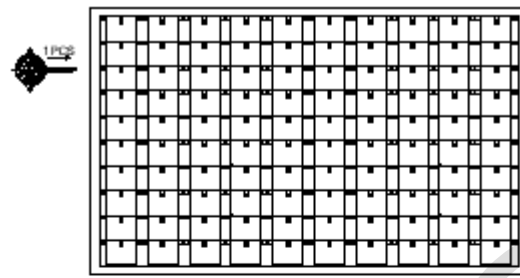
## 4. RELIABILITY TESTS

Item	Test conditions	Evaluation standard
01 High temp. Storage life	The part shall be capable of withstanding a storage Temperature of +70°C for 96 hours.	
02 Low temp. Storage life	The part shall be capable of withstanding a storage Temperature of -30°C for 96 hours.	
03 Temp. cycle	<p>The part shall be subjected 10 cycles. One cycle shall of ;</p> 	
04 Temp./Humidity cycle	The part shall be subjected with 90~95% R.H at +40°C for 96 hours.	1. After the test the part shall meet specifications without
05 Lead Strength	Pull lead with a force of 9.8N, on the direction of the lead axis for 10±1 sec	Any degradation in appearance and performance except S.P.L
06 Vibration	 <p>Amplitude:1.5mm Time :1min/axis</p> <p>Make this test for the directions of X, Y, Z for 2 hours each (total 6 hours).</p>	2. S.P.L shall be ±7 dB.
07 Free drop	The part only shall be dropped from a height of 75cm onto a 40mm thick wooden board 1 times in 3 Direction each (X.Y.Z). (a total of 3 times).	
08 Free drop (Packing)	The part only shall be dropped from a height of 100cm onto a 10mm thick wooden board 1 times in 3 axes (X.Y.Z). (a total of 3 times).	

## 5. CAUTIONS FOR USE

01	As this product is not protected from foreign material entering, please make sure that any foreign materials do not enter this product in your production processes. (e.g. magnetic powder, washing solvent, flux, corrosive gas)
02	The functional degradation may occur if foreign material enter it. (e.g. SPL down)
04	Washing of the component is not acceptable. Because it is not seal.
05	After solder bath, the cooling time must be longer than 2 hours before function test.
06	Soldering with iron Hand soldering : $300\pm 10^{\circ}\text{C} / \leq 2 \text{ Sec.}$ Recommend using constant searing-iron
07	AATC reserves the right to change product material without prior notice, guaranteeing the same specification. Materials are subject to change due to environmental regulations, sourcing, and process improvements.
08	If you need more information, please contact our technology department, thank you

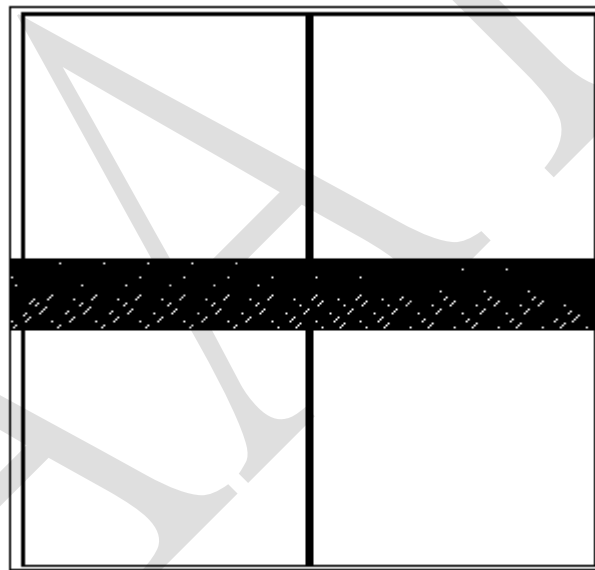
## 6. PACKING



10\*10PCS=100PCS/盒



5盒\*100PCS=500PCS/摺



2摺\*500PCS=1000PCS/箱