

BPI 2612P-09 A

PIEZO BUZZER

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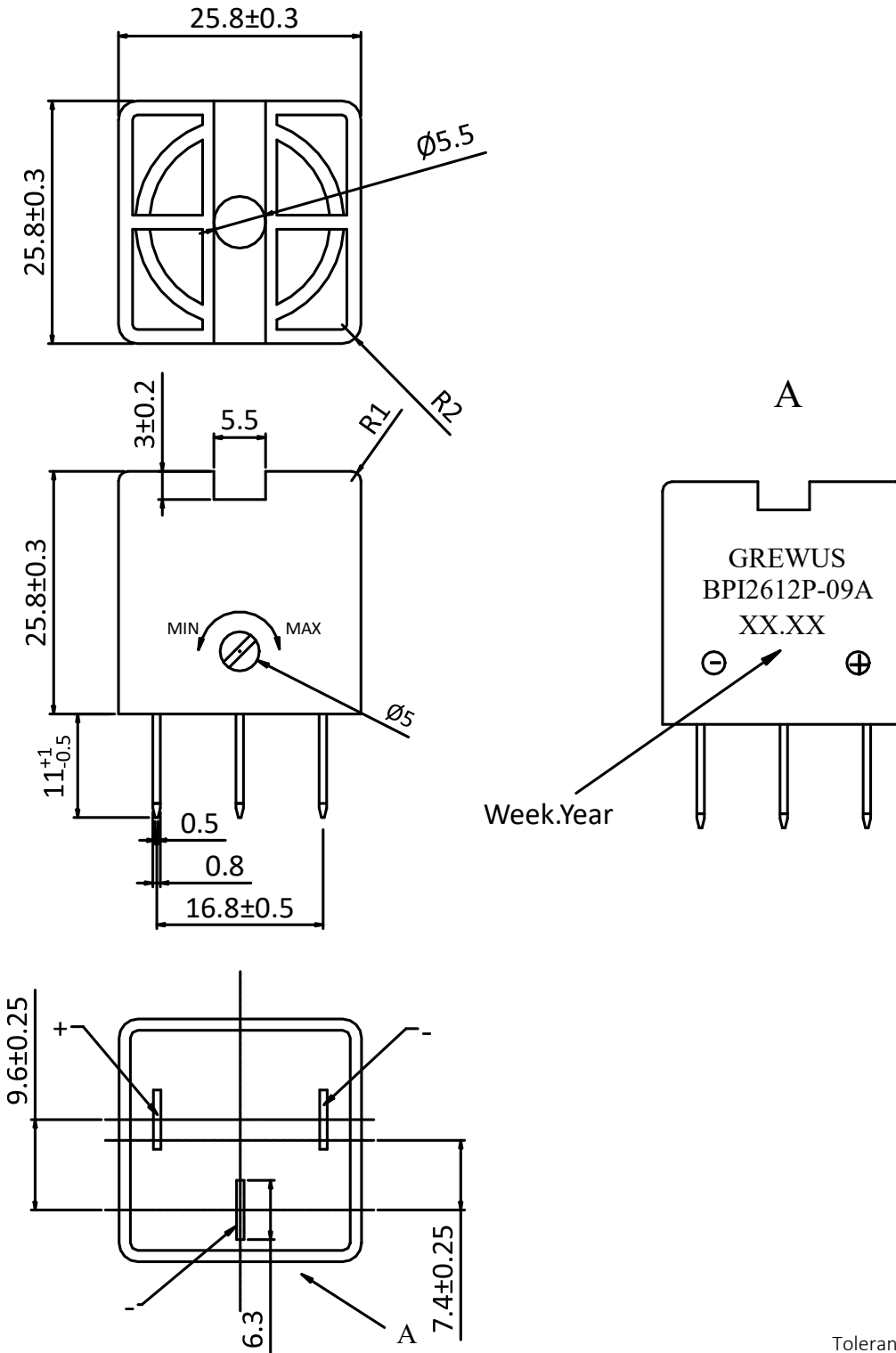


1. SPECIFICATIONS

Parameter	Unit	Conditions / Description	MIN	TYP	MAX
Rated Voltage	VDC			12	
Operating Voltage	VDC		9		16
Current Consumption	mA				15
SPL	dB	Value when SPL is adjusted in position "MAX" In 30 cm distance	92		
Resonance Frequency	Hz		2.800	3.300	3.800
DC Resistance	kΩ	At "+" and "-"	2.09	2.2	2.31
Housing Colour				BLACK	
Tone Characteristic				CONTINUOUS	
Contact				PIN	
Packaging				TRAY	
Operating Temperature	°C		-30		+85
Storage Temperature	°C		-30		+85
Weight	g			16	

DESIGNED BY	Rabea Richter	DATE	2019.03.19	PART NO.	BPI 2612P-09 A	INDEX	A
RELEASED BY	Christopher Pagel	DATE	2019.06.19				
CHANGED BY	Rabea Richter	DATE	2021.08.12				
DRAWING NO.	435433720						

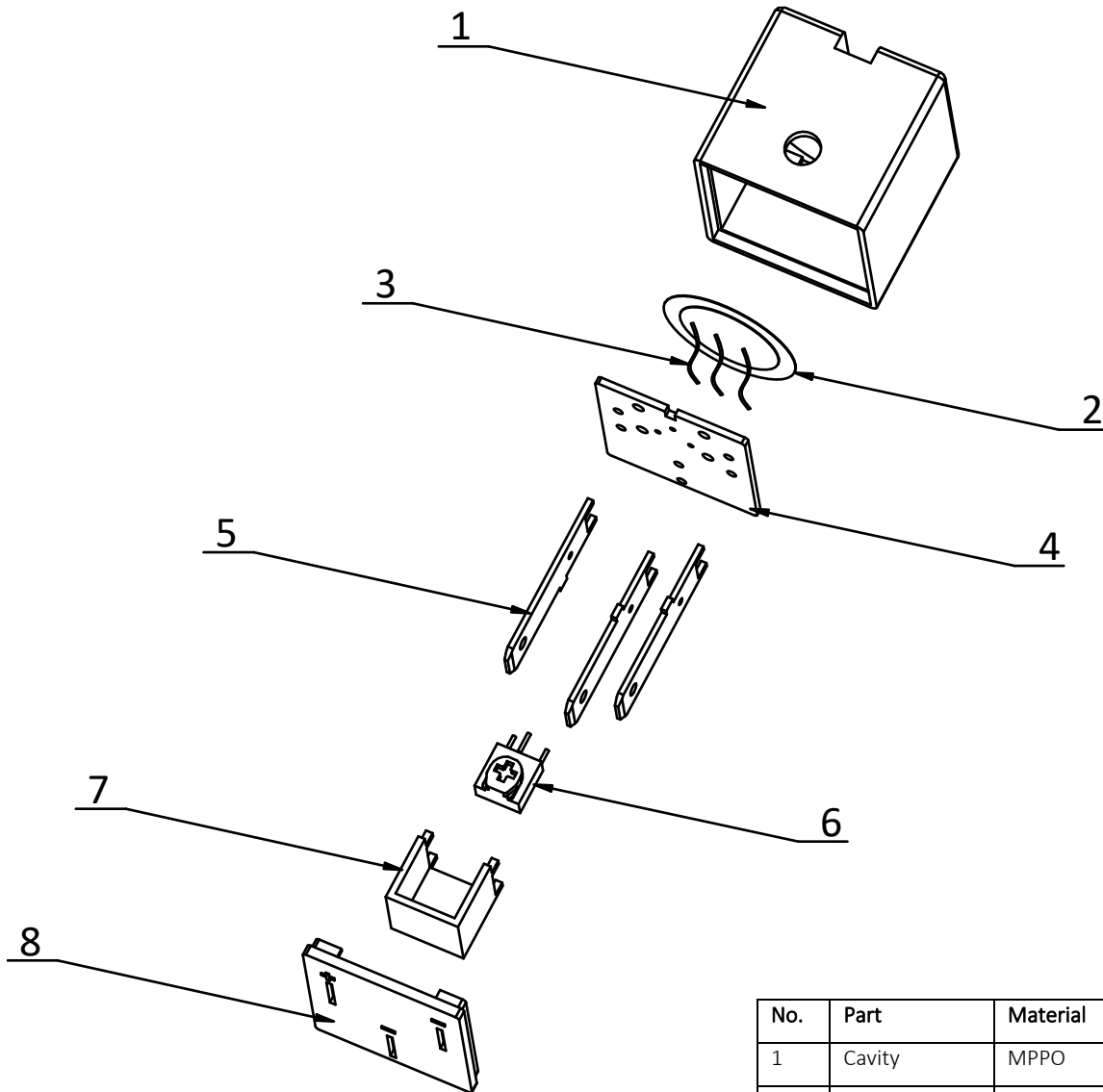
2. DRAWING



Tolerance: ± 0.5 Unit: mm

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2.1 PART LIST

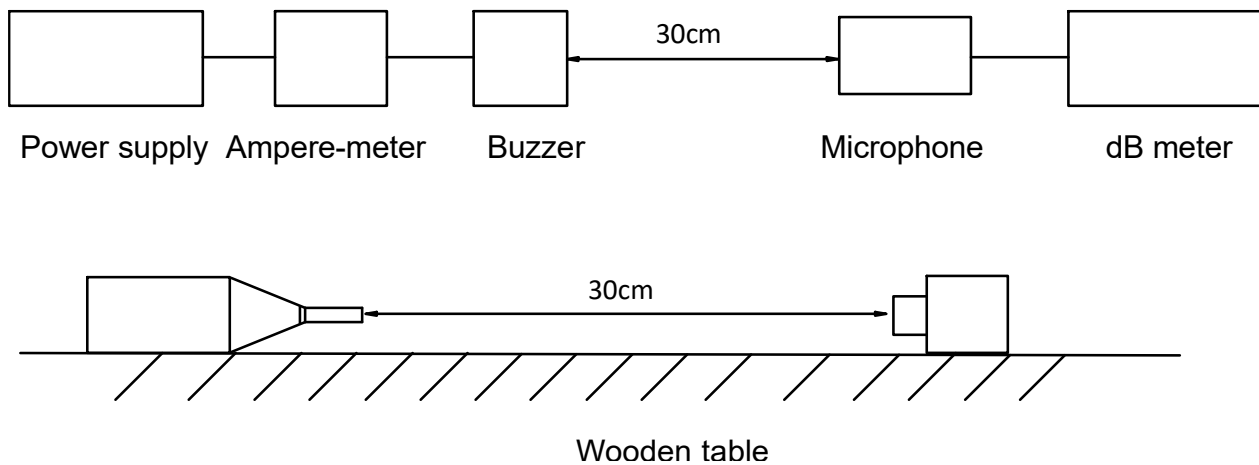


No.	Part	Material
1	Cavity	MPPO
2	Piezo Piece	Steel
3	Wire	UL3302
4	PCBA	FR-4
5	Pin	Brass
6	Potentiometer	
7	Housing	MPPO
8	Cover Plate	MPPO

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3. TEST METHOD

The alarm is located in a free field or an equivalent fully anechoic room. The microphone is directed toward the alarm sound output opening along the zero-degree axis and at the distance specified by the test requirement.



4. RELIABILITY TEST

4.1 High Temperature Test

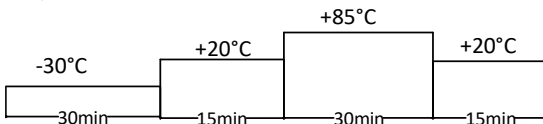
Temperature +85°C
Duration 96 hours

4.2 Low Temperature Test

Temperature -30°C
Duration 96 hours

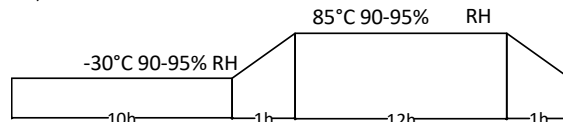
4.3 Temperature Cycle Test

Cycles 5



4.4 Humidity Cycle Test

Cycles 5



All these tests above should be measured after leaving normal temperature for 3 hours.

4.5 Drop Test

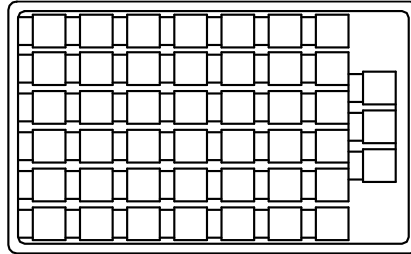
Height 70 cm
Direction 3

Notice:

All specification must be satisfied in this condition.

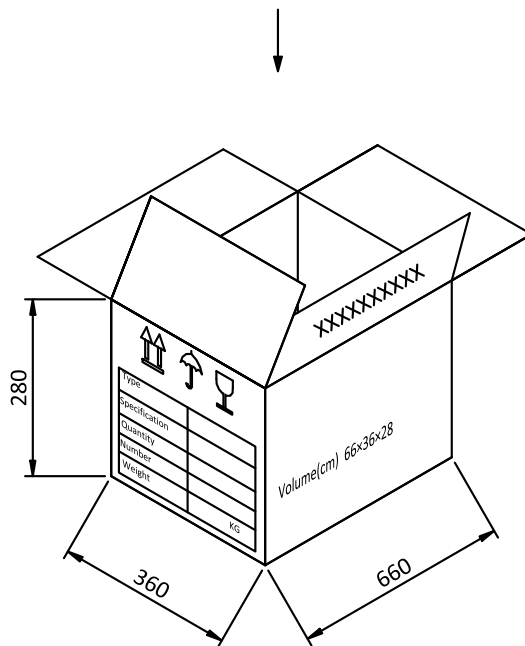
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5. PACKING



5.1 PACKING QUANTITY

45pcs per tray
 21 trays per carton
 945pcs per carton in total
 Carton size: 66x36x30cm



6. NOTICE

6.1 The products mustn't be washed

6.2 Storage Condition

The products should be stored in a room, where the temperature/humidity is stable. And avoid such places where there are large temperature changes. Please store the products at the following conditions:

Temperature: -10 to + 40 C Humidity: 15 to 85% R.H.

6.3 Expire Date on Storage

Expire date (Shelf life) of the products is six months after delivery under the conditions of a sealed and an unopened package. Please use the products within six months after delivery.

If you store the products for a long time (more than six months), use them carefully, because the products may be degraded in the solderability and/or rusty. Please confirm solderability and characteristics for the products regularly.

6.4 Notice on Product Storage

(1) Please do not store the products in a chemical atmosphere (Acids, Alkali, Bases, Organic gas, Sulfides and so on), because the characteristics may be reduced in quality, and/or be degraded in the solderability due to the storage in a chemical atmosphere.

(2) Please use the products immediately after the package is opened, because the characteristics may be reduced in quality, and/or be degraded in the solderability due to storage under the poor condition.

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7. HISTORY CHANGE RECORD

REV	CHANGE ITEMS		DATE
	BEFORE CHANGE	AFTER CHANGE	
1	Old layout, packing unit 900pcs per carton	New layout, packing unit 945pcs per carton, add part list	2021.07.20
2	Weight: 10g	Weight: 16g	2021.08.12

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