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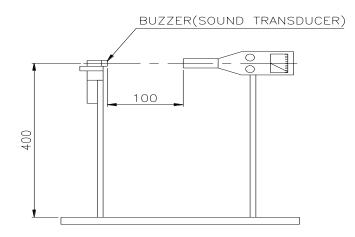
# PUlaudio

Data Sheet SMT-0927-S-14-R

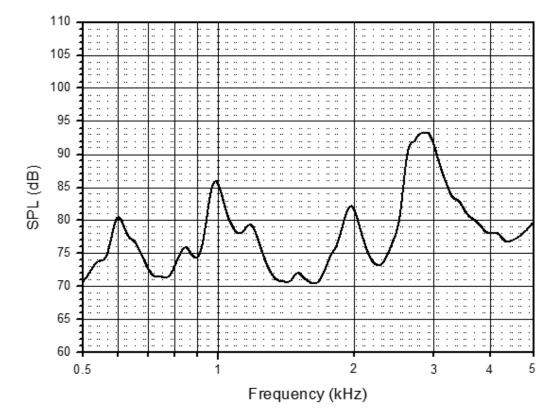
#### **Specifications**

Parameters	Values	Units
Rated Voltage	3.6	V
Operating Voltage Range	$2.5 \sim 4.5$	V
Current Draw at Rated Voltage	45	mA
Coil Resistance	52 ± 3.5	Ohms
Minimum SPL @ 10cm	87	dBA
Resonant Frequency	2,731	Hz
Weight	0.4	Grams
Environmental Compliances	RoHS/REACH	-
Storage Temperature	-40 ~ 85	°C
Operating Temperature	-30 ~ 70	°C

## Measurement Method (Temp: 5 ~ 35 °C; Humidity: 45 ~ 85%; Atmosphere: 860 ~ 1060hPa)

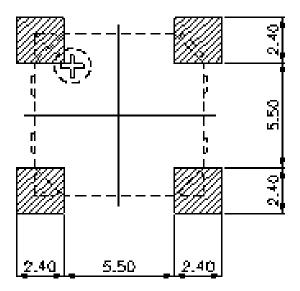


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### **Typical Frequency Response**

#### **Recommended Land Pattern**

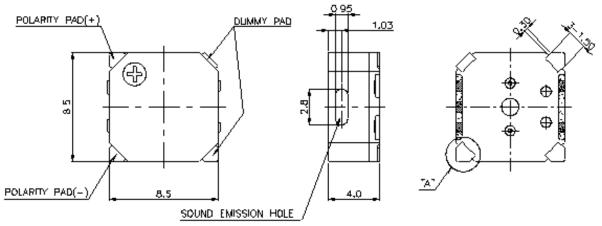


### **Reliability Testing**

Type of Test	Test Specifications		
High Temperature Test	96 hours at 85°C		
Low Temperature Test	96 hours at -40°C		
Humidity Test	12 hours at 60°C with relative humidity at 95%		
	Run the test for 5 cycles, with each cycle consisting of:		
	+3		
	+10 +70°C-0 +10		
	+20°C-5 +20°C-5		
Temperature Cycle Testing			
	+0		
	-30°C-3		
	30min 15min 30min 15min		
	1 cycle : 90 min		
	9.3G p-p 1.53mm		
	0.3G		
	1 0 5 5Hz		
	Make this test for the directions of X, Y and Z.		
Vibration Test	for 2 hours each (total 6 hours).		
	Fix transducer on PCB with polyester film(t=0.2mm,		
	gross weight: 100g) and the height of 120cm on each		
Drop Test	of the six surfaces 3 times each.		

After reliability test, let rest for 2 hours before testing.

#### Dimensions



Tolerance: ±0.2mm