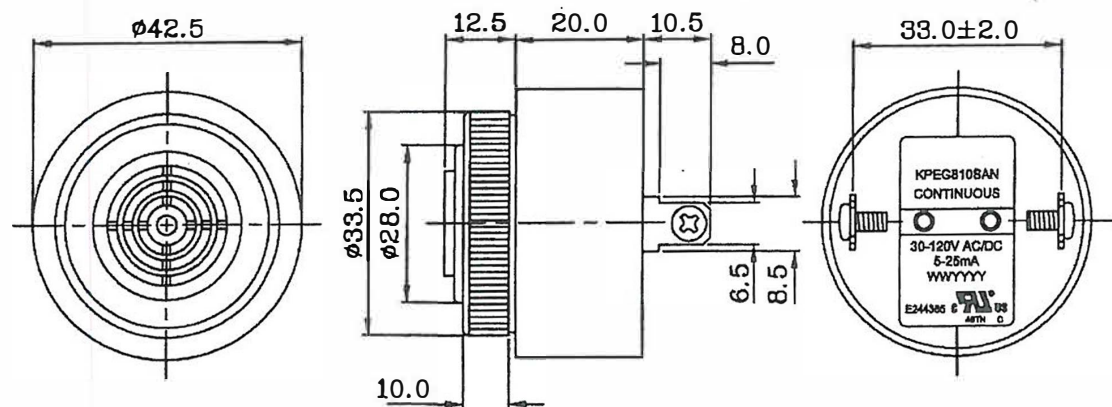


SCOPE: This specification applies to Panel Mount Piezo Buzzer **KPEG810SAN**

SPECIFICATIONS:

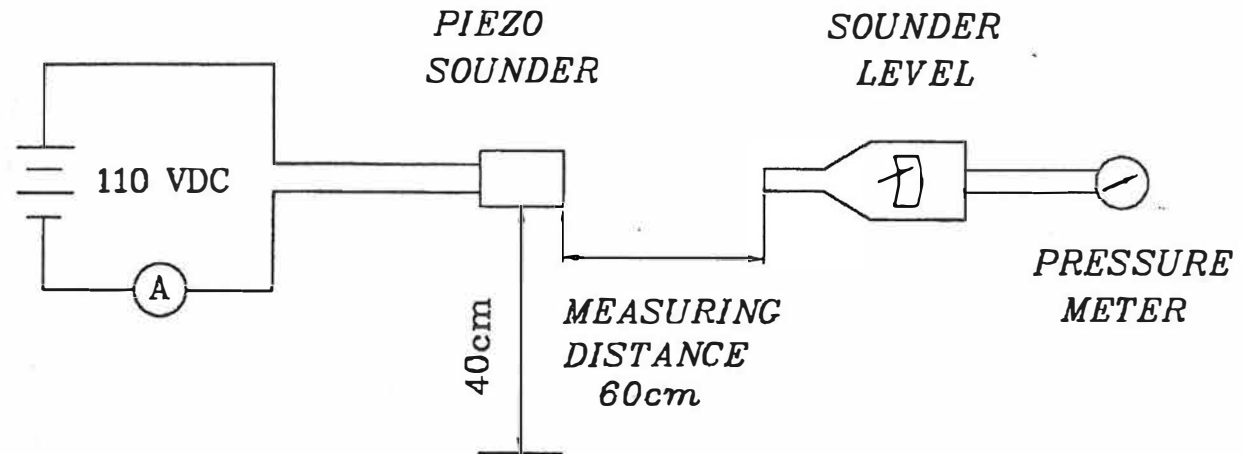
No.	Item	Unit	Specification	Condition
1	Resonant Frequency	KHz	2.8 +/-0.5	
2	Operating voltage Range	AC/ DC	30 ~ 120	
3A	Current Consumption	mA	MAX 5 @ 30 VAC/VDC	
3B	Current Consumption	mA	MAX 25 @120 VDC/VDC	
3C	Current Consumption	mA	MAX 20 @ 110 VAC/VDC	
4A	Sound Pressure @30cm	dB	Min 68dB @ 30VDC/VAC	at 60CM
4B	Sound Pressure @30cm	dB	Min 80dB @ 120 VDC/VAC	
4C	Sound Pressure @30cm	dB	Min 76dB @ 110 VDC/VAC	
5	Rated Voltage	VDC		
6	Tone		Continuous	
7	Operating Temperature	C	-30 to +85	
8	Storage Temperature	C	-40 to +85	
9	Dimension	mm	42.5 X H32.5	see appearance Drawing
10	Weight	g	40	
11	Material		Nylon UL-94 V-0 Black	
12	Terminal		Screw Type	see appearance Drawing
13	Environmental		RoHS	

APPEARANCE DRAWING:



Tol : ±0.5
Unit: mm

MEASURING METHOD

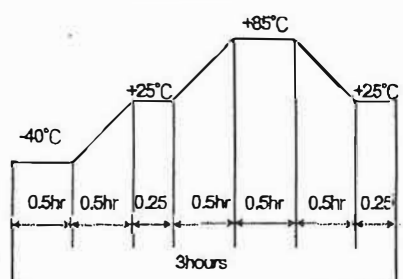


Mic : RION S.P.L meter UC30 or equivalent

MECHANICAL CHARACTERISTICS:

No.	Item	Test Conditions	Evaluation Standards
1	Solderability	Lead terminals are immersed in solder bath of $+270 \pm 5$ C for 3 ± 1 Seconds	90% min lead terminals shall be wet with solder
2	Soldering Heat Resistance	Lead terminals are immersed up to 1.5mm from sounders body in solder bath of 300 ± 5 C for 3 sec	No interference in operation
3	Terminal Mechanical Strength	The force 10 seconds of 9.8N (1.0kg) shall be applied to each terminal in axial direction	No damage and cutting off
4	Vibration	Buzzer shall be measured after being applied vibration of amplitude of 1.5mm with 10 to 55 Hz of band vibration frequency to each of 3 perpendicular directions for 2 hrs	The value of oscillation frequency / current consumption should be in 10% compared with initial

ENVIRONMENT TEST

No	Item	Test Condition	Evaluation Standard
1	High Temp Test	After being placed in a chamber at +85 C for 72 hours	After placed for 4 hours at +25C, buzzer shall be measured. The value of oscillation frequency/ current consumption should be in +/- 10% compared with initial ones. The SPL should be in +/-10dB compared to the initial ones.
2	Low Temp test	After being placed in a chamber at -40 C for 72 hours	
3	Humidity test	After being placed in a chamber at +40 C and 95% relative humidity for 240 hours	
4	Temp Cycle	<p>The part shall be subjected to 10 cycles. One cycle shall consist of</p> 	

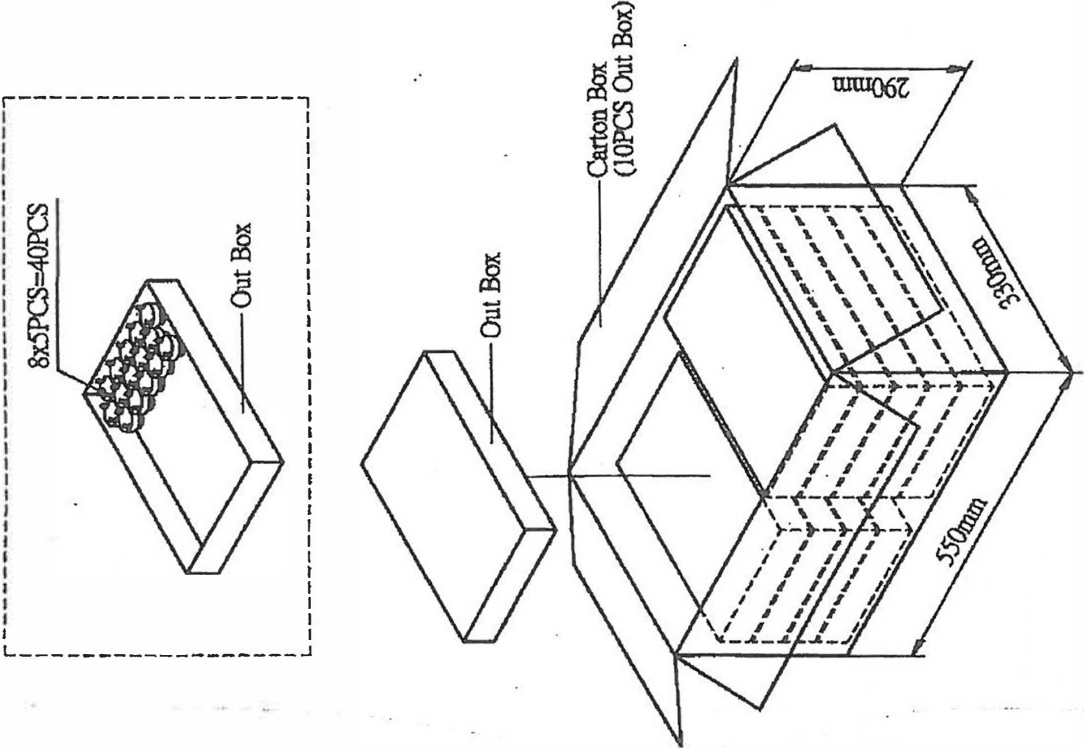
RELIABILITY TEST

No	Item	Test Condition	Evaluation Standard
1	Operating Test Life	<p>1. Continuous Life test. Part shall be subjected to 250 hours continuous at +85C with rated voltage applied.</p> <p>2. Intermittent Life test. A duty cycle of 1 minute on , 5 minutes off , a minimum of 10000 times at room temp (+25+/-2 C) with rated voltage applied.</p>	Being placed for 4 hours at 25C. Buzzer shall be measured. The value of oscillation frequency/current consumption should be within 10% compared to the initial ones. The SPL should be within 10dB when compared to initial one.

TEST CONDITION

Standard Test Condition: a) Temperature: +5 ~ +35 C b) Humidity: 45-85% c) Pressure: 860-1060mbar
Judgment Test Condition: a) Temperature: +25 +/- 2C b) Humidity: 60-70% c) Pressure: 860-1060mbar

PACKAGING;



Out Box	310mmx248mmx49mm	1x40PCS=40PCS
Carton Box	550mmx330mmx290mm	40PCSx10=400PCS