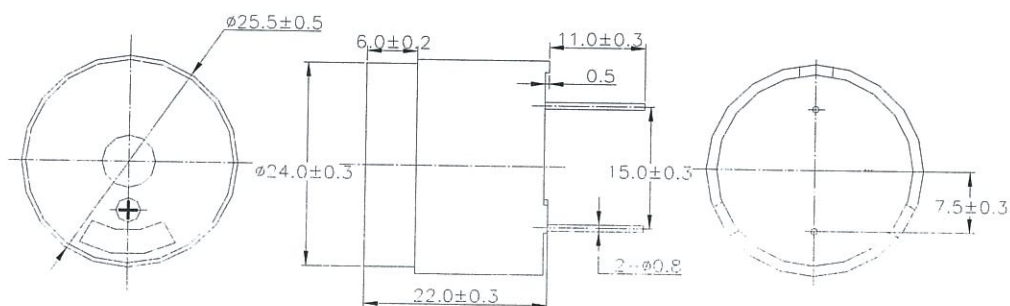


This Specification applies to Piezo Audio Indicator, **TRIP-80P-A17**

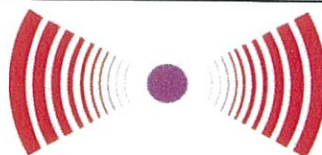
A. SPECIFICATION

No.	Item	Unit	Specification	Condition
1	Rated Voltage	Vp-p	12	
2	Operating Volt range	Vp-p	8 ~ 20	
3	Rated Current	mA	MAX 17	at Rated Voltage
4	Min Sound Pressure Level	dB	MIN 92	at 30cm/Rated Voltage - Rated Frequency
5	Resonant frequency	Hz	2700+/-500	Rated Voltage
6	Operating Temp	C	-20 ~ +60	
7	Storage Temp	C	-30 ~ +80	
8	Weight (MAX)	gram	13	
9	Material		PC (Grey)	
10	Environmental Protection Regulation		RoHS	
Test Condition				
Standard		Temperature: 15 ~ 35C	Relative Humidity: 45% ~ 85%	
Judgment		Temperature: 20 +/-3C	Relative Humidity: 60% ~ 70%	

B. APPEARANCE DRAWING



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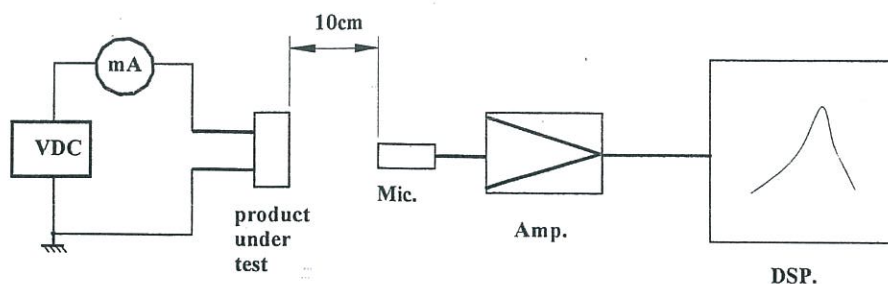
Drawing Number:
TRIP-80P-A17

PIEZO AUDIO INDIATOR
17ma MAX
1 of 3

Date:
6/20/2013

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C. MEASUREMENT METHOD



Input Signal: 12VDC

S.G: Signal Generator

mA: Milliammeter

Amp: Amplifier

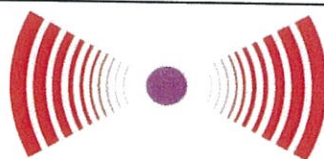
Mic: Measuring Condenser Microphone

DSP: Display Screen

D. MECHANICAL CHARACTERICS

No.	Item	Test Conditions	Evaluation Standards
1	Solderability	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $+230 \pm 5$ C for 3 ± 0.5 Seconds	90% min lead terminals shall be wet with solder (Except the edge of the terminal)
2	Terminal Mechanical Strength	The force 10 seconds of 9.8N (1.0kg) is applied to each terminal in axial direction	No damage and cutting off
3	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	After the test the part shall meet specifications without any damage in appearance and the SPL should be in ± 10 dBA compared with the initial one.
4	Drop Test	The part only shall be dropped from a height of 80cm on to a 40mm thick wooden board 6 times in 3 axes (X.Y.Z) (a total of 6 times)	

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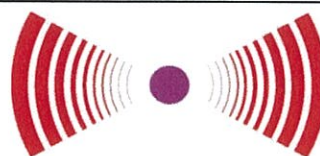
E. ENVIRONMENT TEST

No	Item	Test Condition	Evaluation Standard
1	High Temp Test	After being placed in a chamber of +85C +/- 2C for 4 hours and then being placed in natural condition for 2 hours	The SPL should be in +/-10dB compared with initial one.
2	Low Temp test	After being placed in a chamber of -40C +/- 2C for 4 hours and then being placed in natural condition for 2 hours	
3	Humidity Test	After being placed in a chamber at +40 C and 90-95 RH at 40C +/- 2C for 24 hours and then being placed in natural conditions for 2 hours.	
4	Temp Cycle	After being placed in a chamber at +40 C +/- 2C for 30 minutes, product shall be placed at room temperature (+20C). After 15 minutes at this temperature, products shall be placed in a chamber at +85 +/- 2C. After 30 minutes at this temperature, products shall be returned to room temperature (+20C) for 15 minutes. After 5 above cycles, products shall be measured after being placed in natural conditions for 4 hours	

F. PACKAGING

Package	SMALL BOX	INTERNAL BOX	EXTERNAL BOX
SIZE	34.5 X 19.5 X 4.0	34.5 X 19.5 X 32.5	40.0 X 37.5 X 38.5
MATERIAL	Sponge plastic	Sponge Plastic	Paper Board
QUANTITY	25 pc per box	225 Pcs per bag	450 pcs per case
G WEIGHT	260g	24.Kg	5.6Kg

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