APPROVAL SHEET



CUSTOME	R NAME :		
COMMOD	ITY :	PIEZO INDICAT	OR
FHD PART	NO. :I	304005-PC3500	A-L
CUSTOMER PART NO. :			
Approved by	Y. J.	Prepared by	HY Shen

Customer Approval				
Approved		Rejected		

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REVISIONS

PRODUCT	PART	NO.	: I304005-I	PC3500A-L
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PRODUCT PART NO. : I304005-PC3500A-L					
DATE	REVISER	REV.	DESCRIPTION	REMARK	
2019/5/29	HY SHEN	1	Initial edition		

A. PART NO.: I304005-PC3500A-L

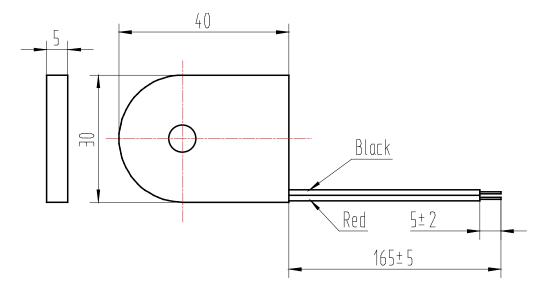


B. SPECIFICATION

Part shall be measured under a condition (Temperature: $5\sim35^{\circ}$ C, Humidity: $45\%\sim85\%$ R.H., Atmospheric pressure: 860 \sim 1060hPa) unless the standard condition (Temperature: $25\pm3^{\circ}$ C, Humidity: $60\pm10\%$ R.H. Atmospheric pressure: 860 \sim 1060hPa) is regulated to measure.

No.	Item	Unit	Specification	Condition
1	Resonant Frequency	Hz	3500 ± 500	square wave
2	Rated Voltage	VDC	12	
3	Operating Voltage	VDC	6 ~ 15	
4	Current Consumption	mA	Max. 30	At 12VDC
5	Sound Output Level	dB	Min. 100	At 12VDC, 10cm
6	Operating Temperature	$^{\circ}\!\mathbb{C}$	-20 ~ +60	
7	Storage Temperature	$^{\circ}\!\mathbb{C}$	-30 ~ +70	
8	Dimension	mm	30 x 40	See appearance drawing
9	Weight (MAX)	gram	6.0	
10	Housing Material		ABS	
11	Tone		Continuous	
12	Environmental Protection Regulation		RoHS	

C. APPEARANCE DRAWING Unit: mm

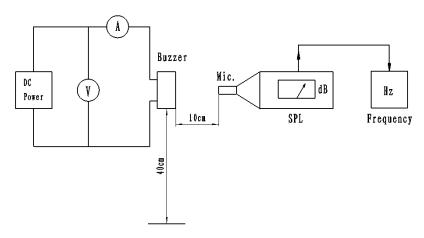


* Wire: UL1571 AWG28#

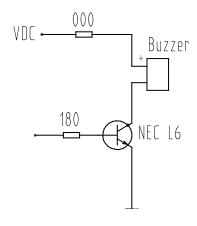
* Tolerance: ±0.5mm Except Specified

D. ELECTRICAL AND ACOUSTICAL MEASURING CONDITION

Recommended Setting



Recommended Test Circuit



E. RELIABILITY TEST

After any following tests the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall not deviate more than -10dB from the initial value

1. Ordinary Temperature Life Test

The part shall be subjected to 96 hours at 25±10°C. Input rated voltage

Resonant frequency, 1/2 duty Square wave.

2. High Temperature Test

The part shall be capable of withstanding a storage temperature of +70°C for 96 hours.

3. Low Temperature Test

The part shall be capable of withstanding a storage temperature of -30°C for 96 hours.

4. Humidity Test

Temperature:+40 °C ±3 °C Relative Humidity:90% ~95% Duration: 48 hours and expose to room temperature for 6 hours

5. Temperature Shock Test

Temperature: 70° C /1 hour \rightarrow 25 °C/3 hours \rightarrow -30 °C/1 hour \rightarrow 25 °C/3 hours (1 cycle)

Total cycle: 10 cycles

6. Drop Test

In standard packing

From Height 75cm (Drop on hard wood or board of 5cm thick, three sides, six plain.)

7. Vibration Test

Vibration: 1000cycles /min. Amplitude:1.5mm. Duration: 1 hour in each 3 axes

Note:

As this product is not protected from foreign material entering, please make sure that any foreign materials (e.g. magnetic powder, washing solvent, flux, corrosive gas) do not enter this product in your production processes. The functional degradation (e.g. SPL down) may occur if foreign material enter it.