

# SPECIFICATION FOR PIEZO ELECTRIC BUZZER

TOTAL PAGE 07

www.be-star.com

RoHS

Customer		Model Name	BSP1212-03H03-06 LF
Customer P/N		Product No.	056501
Date	15 May. 09	Issue No.	BS/TEP01.790A
Page	01 of 07	Issue Date	09/05/15

## Approval:

Description
Dimension
Reliability Test
Tape on Reel Packing
Notice
History change record

Drawn by	Checked by	Approved by	Customer approved

# BESTAR ELECTRONICS INDUSTRY CO., LTD

No.199 HuangHe West Road.New district,ChangZhou,JiangSu Province,P.R.China *Tel:* +86 519 88222567 *Fax:* +86 519 88222551 *E-mail:*wu@be-star.com *http://www.be-star.com* 

## BSP1212-03H03-06 LF

### 1. Description

6

F

D

1.1 The specification relates to the piezoelectric sounder intended to be used in alarm sysytems. Please contact us before using any of the products in the applications not described above.

4

**1.2 Electrical and Mechanical Characteristics** 

No.	Item	Specification
1.	Rated Voltage(Square Wave)	3 Vp-р
2.	Operating Voltage	125Vp-p
3.	a)Rated Current	max.1mA
4.	Capacitance at 120 Hz	16± 30%nF
5.	a)Sound Output at 4KHz,10cm	Min.75dB
6.	Resonant Frequency	4 KHz
7.	Operating Temperature	-40+85 <b>°</b> C
8.	Storage Temperature	-40+85 <b>°</b> C
9.	Weight	$0.35g \pm 25\%$
10.	Plating layer of plate	Tin

a)Value applying at rated voltage.(3Vp-p square wave,1/2duty)

#### 1.3 Test method:





	6 5	4	3	2	1
	BSP1212-03H03-06 LF				
I	DOI 1212-001100-00 LI				
	3. Reliability test				
1	3.1 high temperature test				
	Temperature		5° C		
	Duration	96	hrs		
ĩ	3.2 low temperature test Temperature	-40	۰ د		
	Duration	-40 96ł			
	3.3temperature cycle test				
	+20`ăC	5°C +20°ăC			
	-40° C 30min 15min 34	Omin 15min	]		
7	<del>-</del> −  <del>4</del> + 4	+ - · · · · · · · · · · · · · · · · · · ·			
	Cycles 3.4 Humidity test		5		
	Temperature	+4	0°C		
1	Relative Humidity		3%		
	Duration	ç	96hrs		
8	all these tests above should be meas	sured after lea	ving normal temperatur	e for 2hrs.	
	3.5 Vibration Test				
	Vibration Frequency	10~55			
	Amplitude	1.52n			
1	Duration 3.6 Drop test	2hrs each o	of 3 axis		
	Height	700	m		
	(to 10mm thickness woodenboard)				
	Direction	3			
	3.7 Solderability	255-			
	Temperature Duration		± 5° C .5sec		
	3.8 Solder Heat Resistance	J - 0	.0300		
	Temperature	255±	: 10 <b>°</b> C		
	Duration	30s	ec		
+	Notice: All specification must be satisfi				
	SPL: allowable deviation $\pm$ 5dB	of the initial v	alue after testing		
3					
		Date:	09/05/15	BSP1212-03H0	3-06   F
		Drawn by:	赵峥		
\		Checked by:	邱俊	– Piezo Sounde	er
RE		Approved by:	李红元 TD		1
1	BESTAR ELECTRONICS INDUS	SIRT CO.,L	. ID w.be-star.com wu@be-star.com	DRG NO: BS/TEP01.790A	Page:4 of 7





