

SPECIFICATION FOR PIEZO ELECTRIC BUZZER

TOTAL PAGE 07 <u>www.be-star.com</u> RoHS

Customer		Model Name	BPT4512H18.4 LF
Customer P/N	H57-0100-110	Product No.	034302
Date	10 Jun. 09	Issue No.	BS/TEP01.340D
Page	e 01 of 07		09/06/10

- 1.Description
- 2.Notice
- 3.Dimension
- 4. Reliability Test
- 5.Packing
- 6. 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

 6 5 4 3 2

BPT4512H18.4 LF

1.Description

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.



Colour: black

1.2 Electrical and Mechanical Characteristics

No.	Item	Specification		
1.	Rated Voltage	Using Phone Test System		
		Input Voltage 120VAC		
2.	S.P.L measured at 10cm by			
	Phone Test System	≥105dB see test set up FIG 1		
3.	Static Capacitance	170± 30%nF at 120Hz		
4.	Rated Current consumption	max.80mA (by multimeter(Fluke model 189DVM)		
		connected with the phone test system to form series		
		circuit)		
5.	Housing Material	Poly Carbonate IR1900		
6.	Weight	10± 25%g		
7.	Operating Temperature	-30+70°C		
8.	Storage Temperature	-30+80°C		

1.3 Standard Output Measurenent Setup



FIG1. test setup

В

H	1								
					Date:	09/06/10	BPT4512H	18 4 I F	
					Drawn by:	赵峥	B1 1 10 12 11	10.121	
1	Λ				Checked by:	邱 俊	Piezo Elemer	at Soundor	
	Rev.	Date	Drawn	Note	e Approved by:	李红元	Flezo Elemei	it Sourider	
		BESTAR	ELECTRO	NICS IN	IDUSTRY CO.,I	_TD vw.be-star.com_wu@be-star.com	DRG NO: BS/TEP01.340D	Page:2 of 7	
L		6	5		4	3	2	1	

This print and information there in are proprietary to Bestar Electronics Industry Co., Ltd. and shall not be used in whole or in part without its written content.

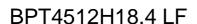
В



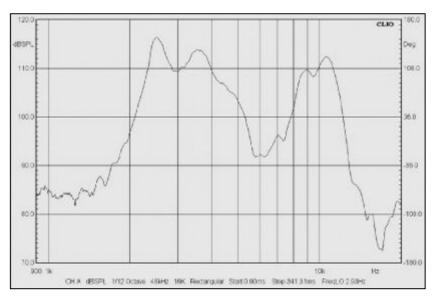
Η

D

В



1.4 Frequency Response



Frequency(Hz)

2.Notice

2.1 The products mustn't be washed

2.2 Storage Condition

The products should be stored in the room ,where the temperature/humidity is stable. And avoid such places where there are large temperature changes. Please store the products at the following conditions:

Temperature: -10 to +40 °C Humidity: 15 to 85% R.H.

2.3 Expire Date on Storage

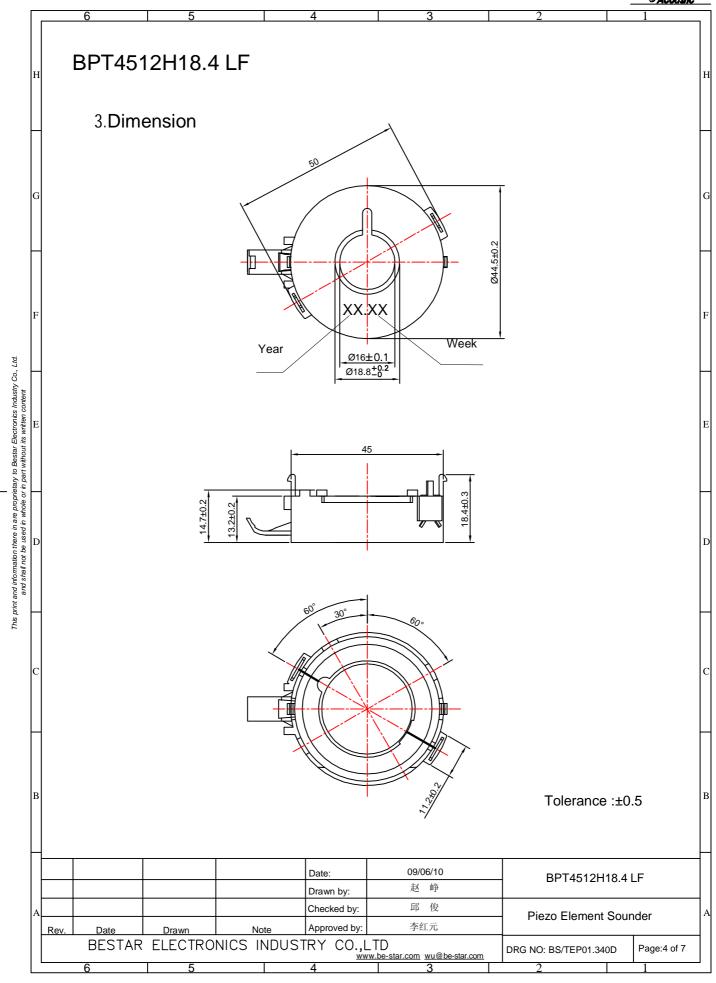
Expire date (Shelf life) of the products is six months after deliveried under the conditions of a sealed and an unopened package. Please use the products within six months after deliveried. If you store the products for a long time (more than six months), use carefully because the products may be degraded in the solderability and/or rusty.Please confirm solderability and characteristics for the products regularly.

2.4 Notice on Product Storage

- (1) Please do not store the products in a chemical atmosphere (Acids, Alkali, Bases, Organic gas, Sulfides and so on), because the characteristics may be reduced at quality, and/or be degraded in the solderability due to the storage in a chemical atmosphere.
- (2) Please use the products immediately after the package is opened, because the characteristics may be reduced at quality, and/or be degraded in the solderability due to storage under the poor condition.
- (3) Please do not drop the products to avoid cracking of ceramic element.

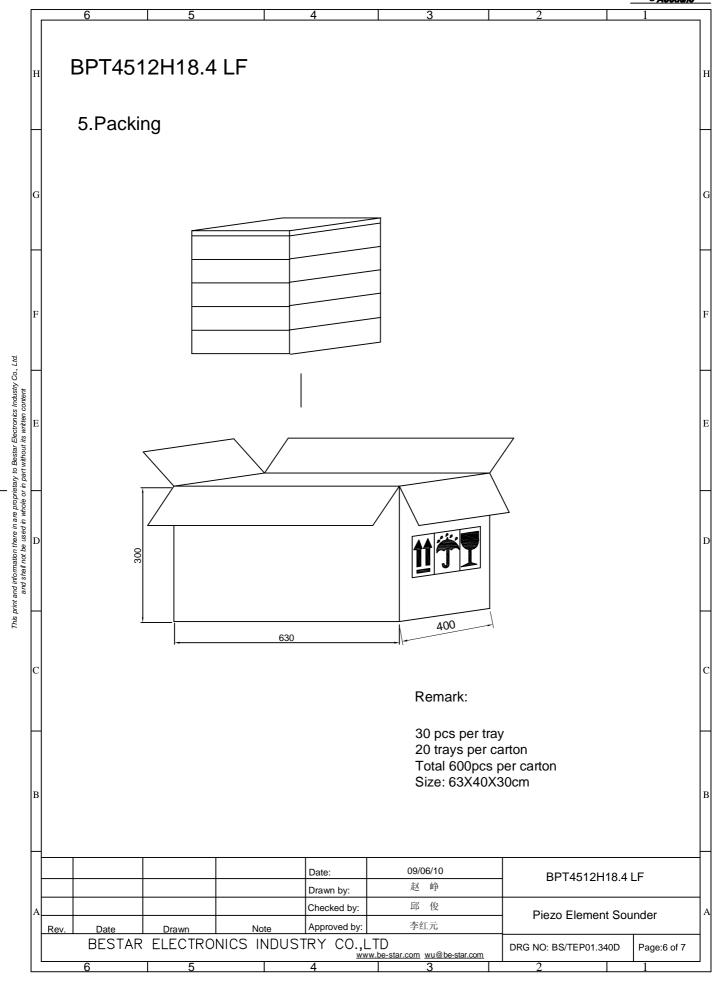
L											L
						Date:	09/06/10	BPT4512	⊔10	41E	
						Drawn by:	赵峥	DI 14312	.1110.	+ L1	
Α						Checked by:	邱 俊	Piezo Eleme	nt Sou	ınder	A
	REV.	Date	Drawn	No	te	Approved by:	李红元	T lezo Elemen	11 001	under	
		BESTAR	ELECTRO	NICS II	NDUS ⁻		TD w.be-star.com wu@be-star.com	DRG NO: BS/TEP01.34	0D	Page:3 of 7	
	•	6	5			4	3	2		1	•





This print and information there in are proprietary to Bestar Electronics Industry Co., Ltd. and shaf not be used in whole or in part without its written content







6	5	4	3			
				•		
BPT4	512H18.4 LF					
6. Hist	ory change rec	cord				
	, ,					
version	Cha	inge Items	Date	Drawn	Approved	
No.	Before	After				
A			05/01/28	姜文金	郭敏	
В	capacitance:280nF ± 30%	capacitance:150nF±30%	06/05/11	姜文金	郭敏	
С	capacitance:150nF±30%	capacitance:170nF ± 30% changing the test condition	07/07/10	杨红烨	程久生	
D	Packing Quantity:300Pcs/Carto		09/06/10	赵峥	李红元	
		Data	09/06/10			
		Date: Drawn by:	赵 峥		BPT4512H18.4 LI	=
		Checked by:	邱 俊		Piezo Element Sour	nder
ev. Date	Drawn	Note Approved by:	李红元		F 1620 Element 30ur	iuel
BES	TAR ELECTRONIC	S INDUSTRY CO.,LTI)		ORG NO: BS/TEP01.340D	Page