

SPECIFICATION FOR PIEZO ELECTRIC BUZZER

TOTAL PAGE 06 www.be-star.com

Customer		Model Name	FT-10T-17A1
Customer P/N		Product No.	
Date	13 Oct. 15	Issue No.	BS/TEY01. 621
Page	01 of 06	Issue Date	15/10/13

Approval:

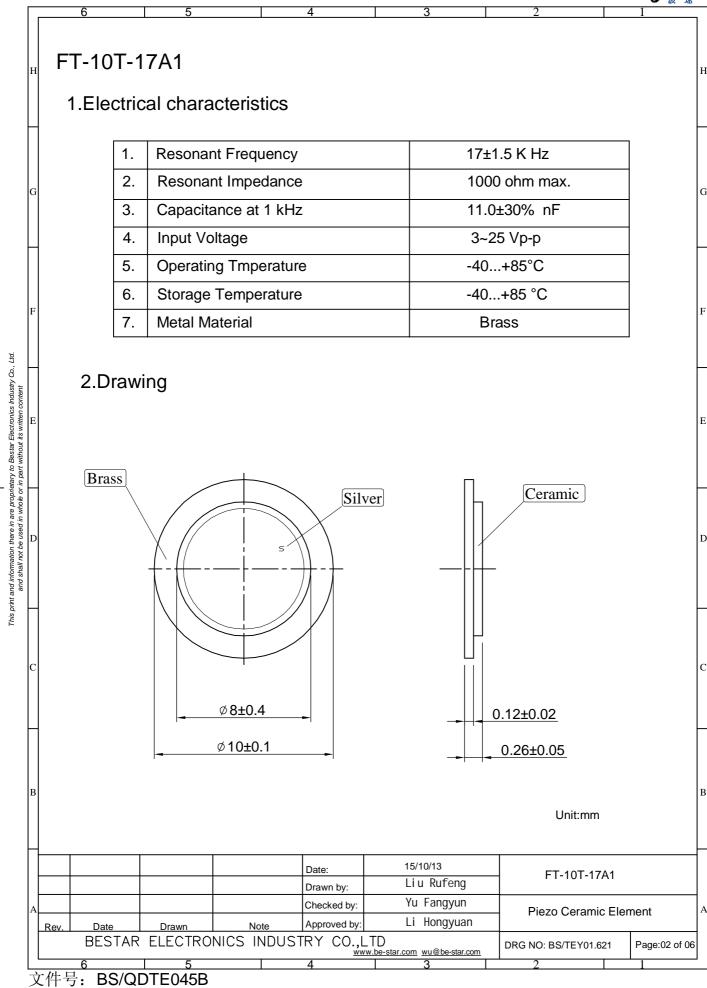
- 1. Electrical characteristics
- 2.Dimension
- 3. Characteristics
- 4. Measuring Method
- 5.Reliability Test
- 6.Packing
- 7. History Change Record

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





В

FT-10T-17A1

3. Characteristics:

3.1 Solderability

Solder AWG 32 wire with solder wire(Pb10Sn88Ag2) at 280±10°C on the ceramic , less than 2 seconds duration of soldering.

3.2 Lead pull off test

- a) Wire to be soldered on ceramic at the edge. It should withstand minimum 10N force applied in 180°. The wire should not come out before this .The ceramic can be either glued on a surface of can be held in hand. (Fig. 3.2)
- b) Wire to be soldered on ceramic at the edage&should be pulled up at 90° The element should be hold on bottom and wire should be pulled up .It should withstand at least for 2.5N force(Fig.3.1)

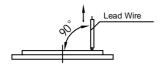


Fig.3.1 Direction of Lead Wire



Fig.3.2 Direction of Lead Wire

4. Measuring Method

4.1.Resonant Frequency/ Resonant Impedance:

Piezoelectric disc shall be clamped at a node or edge point ,figure to be free from any mechanical stresses, and measure its resonant frequency and resonant impedance by using vector impedance analyzer or equivalent.

Input frequency shall be swept within 15 to 25 kHz, where the resonant frequency is defined and the frequency where the impedance shows minimum value, this impedance shall be the resonant impedance.

4.2. Capacitance:

A electrostatic capacity capacitance shall be measured at 120Hz by using LCR meter, such as DF2812A LCR number bridge or equivalent. The part shall be clamped in the same way as the measurement of resonant frequency / resonant impedance mentioned in section 4.1.

4.3.Insulation Resistance:

An insulation resistance shall be measured by using an insulation resistance meter, suach as DF2863 insulation resistance meter.

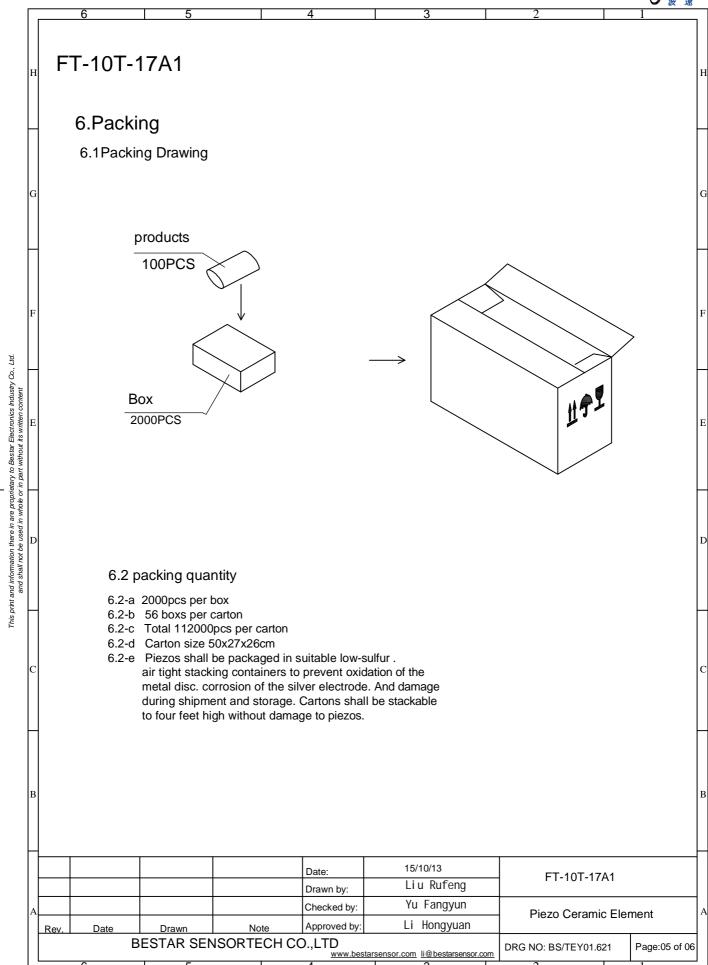
4.4. Measureing Condition:

Parts shall be measured under a condition(Temperature:+15°C to +30°C,Humidity:60 to 90% R.H.) unless the standard condition(Temperature:+25±3°C,Humidity:60±10%R.H.)is redulated to measure.

	L								
					Date:	15/10/13	FT-10T-17A1 Piezo Ceramic Element		
					Drawn by:	Liu Rufeng			
Α					Checked by:	Yu Fangyun			mont
	Rev.	Date	Drawn	Note	Approved by:	Li Hongyuan			mem
	BESTAR ELECTRONICS INDUSTRY CO.,LTD www.be-sta			.TD w.be-star.com wu@be-star.com	DRG NO: BS/TEY01.621		Page:03 of 06		
		6			1	2	2		1

文件号: BS/QDTE045B

文件号: BS/QDTE045B



文件号: BS/QDTE045B



