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SPECIFICATION FOR PIEZO ELECTRIC BUZZER

TOTAL PAGE 06 www.be-star.com

RoHS

Customer		Model Name	FT-20T-3.9A12
Customer P/N		Product No.	
Date	12 Aug. 16	Issue No.	BS/TEY01. 018
Page	01 of 06	Issue Date	16/08/12

Approval:

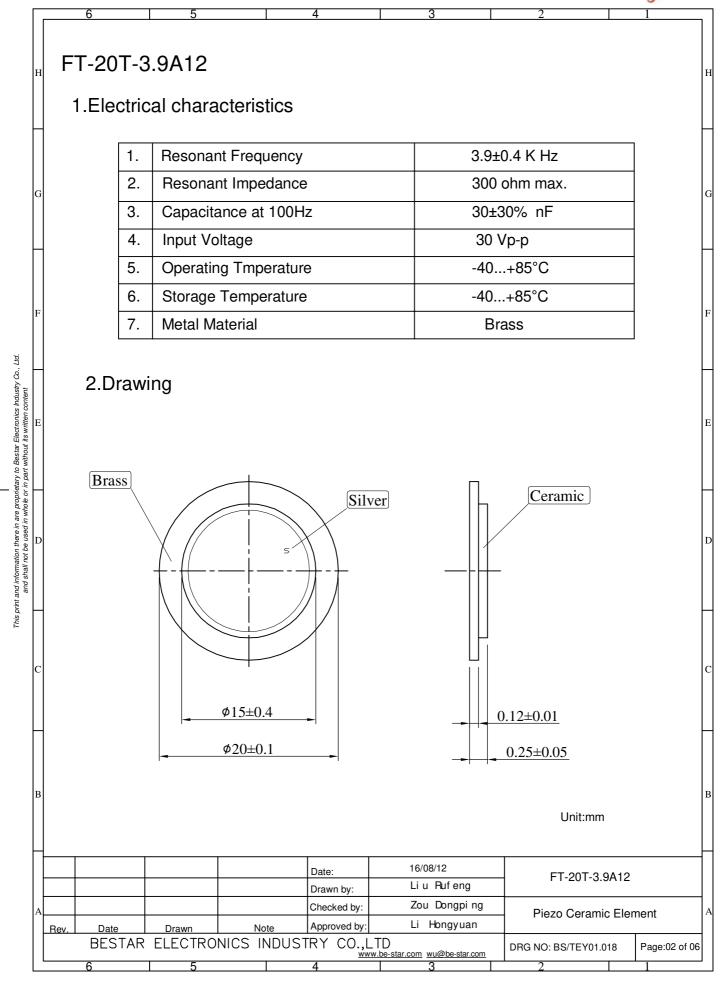
- 1. Electrical characteristics
- 2.Dimension
- 3. Characteristics
- 4. Measuring Method
- 5. Reliability Test
- 6.Packing
- 7. History Change Record

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-20T-3.9A12

3. Characteristics:

3.1 Solderability

Solder AWG 30 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 13N 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 1.5N force(Fig.3.1)

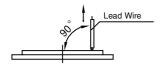




Fig.3.1 Direction of Lead Wire

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 1 to 5 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.

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	Rev.	Date	Drawn	No	te	Approved by:	Li Hongyuan	T lezo Gerain	IC LIE	enient	
		BESTAR	ELECTRO	NICS II	NDUST	RY CO.,L	.TD w.be-star.com wu@be-star.com	DRG NO: BS/TEY01.0	18	Page:03 of 06	
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FT-20T-3.9A12 6.Packing 6.1 Packing Drawing products foam cover 80PCS foam tray 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 6.2 packing quantity 6.2-a 1600pcs per foam tray 6.2-b 10 foam trays per carton 6.2-c Total 16000pcs per carton 6.2-d Carton size 35×25×20cm 6.2-e Piezos shall be packaged in suitable low-sulfur . air tight stacking containers to prevent oxidation of the metal disc. corrosion of the silver electrode. And damage during shipment and storage. Cartons shall be stackable to four feet high without damage to piezos. В 16/08/12 Date: FT-20T-3.9A12 Liu Rufeng Drawn by: Zou Dongpi ng Checked by: Piezo Ceramic Element Li Hongyuan Approved by: Rev. Note Drawn BESTAR ELECTRONICS INDUSTRY CO.,LTD Page:05 of 06 DRG NO: BS/TEY01.018



7.History	change re	ecord				
version	sion Change Items			Date	Drawn	Approved
No.	Before	Af	ter			
X1				16/08/12	Liu Rufeng	Li Hongyuan
			Date:	16/08/12		FT-20T-3.9A12