

DATE	10-Jan-05	SPECIFICATION	BOSAN HI-TECH CO., LTD.
MODEL NO	BST-0843A		BEST QUALITY, SPECIALIZED SERVICE
PAGE	1/8		HI-TECH PRODUCTS



BOSAN HITECH CO., LTD

254-13, Dodang-dong, Wonmi-gu, Bucheon-city, Kyungki-do, Korea

Tel) 82-32-683-0207, 82-32-678-0318

Fax) 82-32-682-0207

E-mail : andy@bosanhitech.com

Specification Sheet

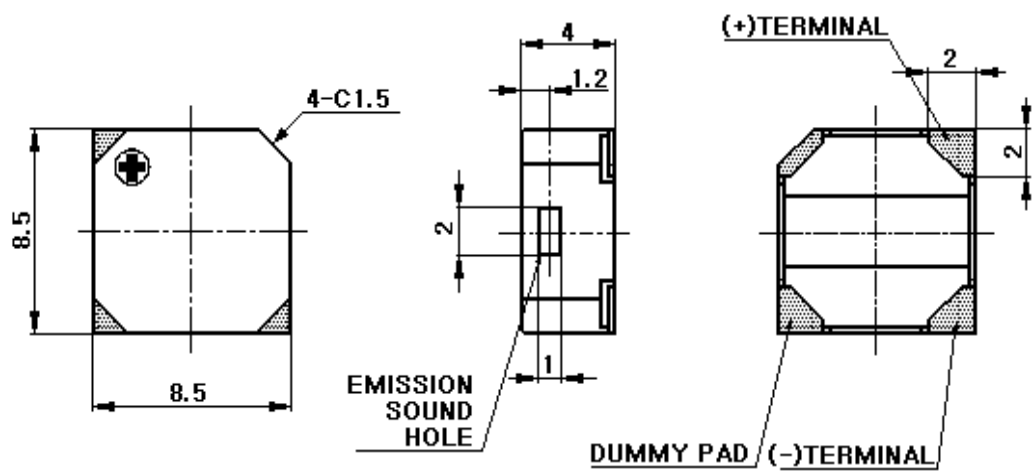
(MODEL : BST-0843A)

<Non Washable Type>

BOSAN HITECH CO., LTD.

DATE	01-Dec-04	SPECIFICATION	BOSAN HI-TECH CO., LTD.
MODEL NO	BST-0843A		BEST QUALITY, SPECIALIZED SERVICE
PAGE	2/8		HI-TECH PRODUCTS

1. DIMENSION



UNIT : mm
TOLERANCE : ±0.3
HOUSING MATERIAL : LCP

C H A N G E						
	NO	DATE	BEFORE	AFTER	REASON OF CHANGE	SIGN

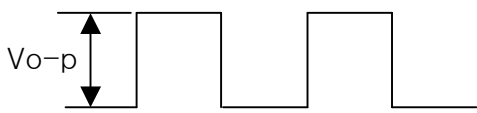
DATE	01-Dec-04	SPECIFICATION	BOSAN HI-TECH CO., LTD.
MODEL NO	BST-0843A		BEST QUALITY, SPECIALIZED SERVICE
PAGE	3/8		HI-TECH PRODUCTS

2. SCOPE

THIS SPECIFICATION IS APPLIED TO THE DYNAMIC MAGNET TRANSDUCER ASSEMBLY WHICH IS USED AS ALERT IN A CELLULAR PORTABLE PRODUCTS.

3. ELECTRICAL SPECIFICATIONS

ALL DATA AT 25 °C, HUMIDITY 40% ~ 80% UNLESS OTHERWISE SPECIFIED.

ITEMS	SPECIFICATIONS	CONDITIONS
RATED VOLTAGE	3.6 Vo-p	
OPERATING VOLTAGE	2.5V ~ 4.0Vo-p	
RATED CURRENT	MAX 100mA	
COIL RESISTANCE	16ohm +/- 3	
SOUND PRESSURE LEVEL (AT 10cm)	min 90dBA	* f=2,700Hz, Vo-p=3.6Vdc *1/2 DUTY SQUARE WAVE
RATED FREQUENCY	2,700Hz	
OPERATING TEMP.	-30°C ~ +70 °C	
STORAGE TEMP.	-40°C ~ +85 °C	

C H A N G E						
	NO	DATE	BEFORE	AFTER	REASON OF CHANGE	SIGN

DATE	01-Dec-04	SPECIFICATION	BOSAN HI-TECH CO., LTD.
MODEL NO	BST-0843A		BEST QUALITY, SPECIALIZED SERVICE
PAGE	4/8		HI-TECH PRODUCTS

4. RELIABILITY

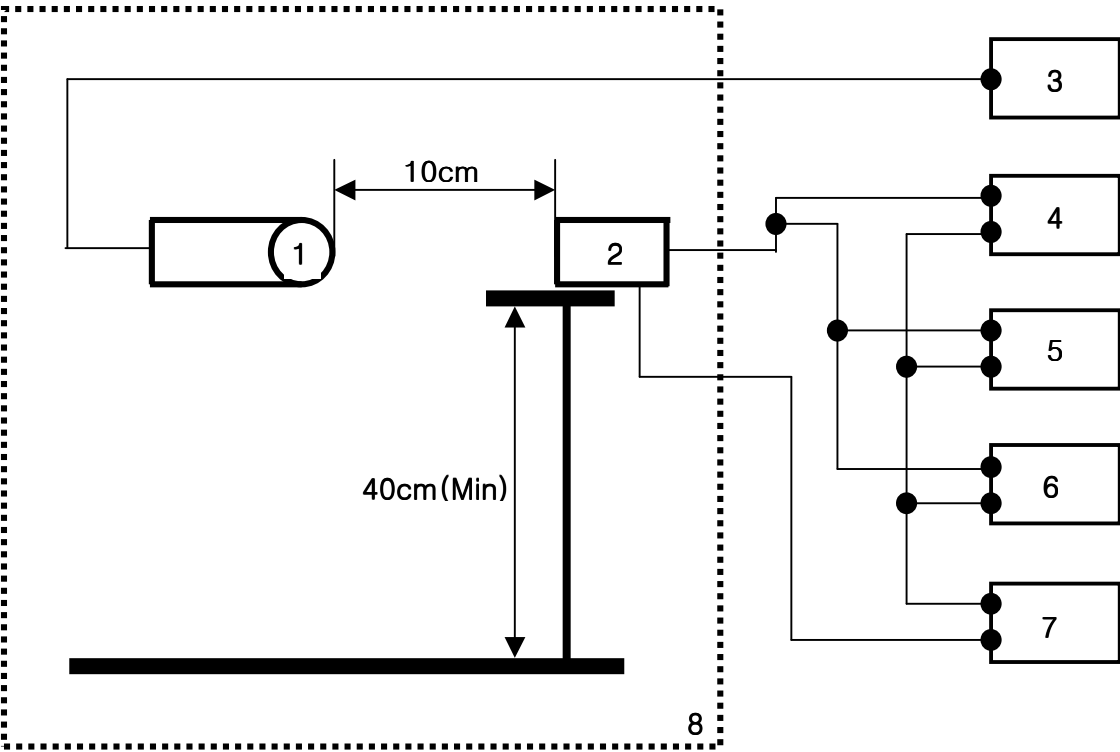
<p>TEMPERATURE CHARACTERISTICS</p> <p>#. All data taken at -30℃ and +85℃ will be referenced to initial data taken at +25℃.</p> <p>#. Component must be fully stabilized at temperature extremes before data taken, which may require up to a 4 hour soak.</p>
<p>STATIC HUMIDITY</p> <p>#. Precondition at 25℃ for 60 minutes. After 72 hours at 40℃ with 90% to 95% relative humidity, allow to dry at room ambient for 4 hours.</p>
<p>VIBRATION (RANDOM)</p> <p>#. To vibrate randomly at 6 g's or 0.04 g /Hz power spectral density from 10 to 2000 Hz for 15 minutes per plane or</p> <p>#. Sinusoidal vibration 10 to 60 Hz, 0.06" double amplitude or 15 g's whichever is less for 1/2 hour per plane X,Y,Z.</p>
<p>OPERATING LIFE</p> <p>#. To subject samples to 85℃ at 85% RH for 168Hr at full rated power.</p>
<p>COMPONENT SHEAR TEST</p> <p>#. To subject sample on PC Board to a tensile pull strength of 1Kg force for 30 seconds.</p>
<p>DROP TEST</p> <p>#. While assembled in a dummy case, 5 free falls onto a concrete floor from a height of 100cm.</p>

C H A N G E						
	NO	DATE	BEFORE	AFTER	REASON OF CHANGE	SIGN

DATE	01-Dec-04	SPECIFICATION	BOSAN HI-TECH CO., LTD.
MODEL NO	BST-0843A		BEST QUALITY, SPECIALIZED SERVICE
PAGE	5/8		HI-TECH PRODUCTS

5. ELECTRICAL CHARACTERISTICS MEASUREMENT

1) SETTING UP OF MEASURING SYSTEM

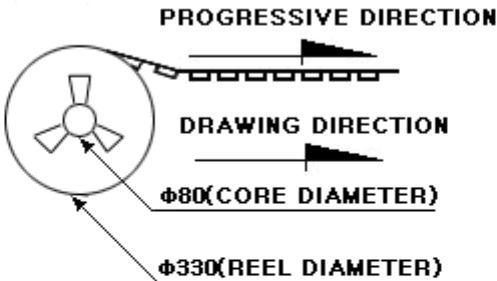
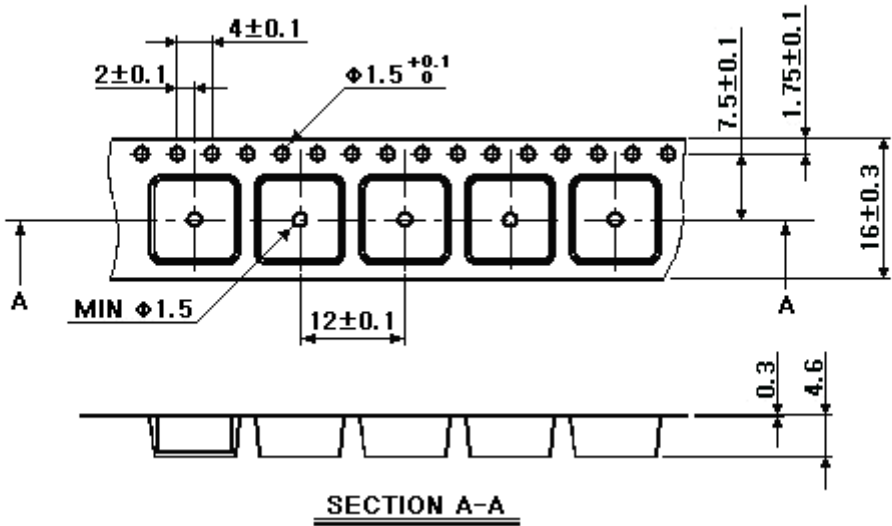


NO	EQUIPMENT	REMARKS
1	CONDENSER MIC.	
2	DEVICE UNDER TEST	MAGNETIC BUZZER
3	F.F.T, OR S.P.L INDICATOR	
4	OSCILLATOR	
5	FREQUENCY COUNTER	
6	VOLTAGE METER	
7	AMPERE METER	
8	SOUND PROOF ROOM	

C H A N G E						
	NO	DATE	BEFORE	AFTER	REASON OF CHANGE	SIGN

DATE	10-Jan-05	SPECIFICATION	BOSAN HI-TECH CO., LTD.
MODEL NO	BST-0843A		BEST QUALITY, SPECIALIZED SERVICE
PAGE	6/8		HI-TECH PRODUCTS

6. PACKING FORMAT



- REMARK**
- Each corner without specification is max R0.25.
 - Emboss carrier tape is as per JIS C0806 standard.
 - Diameter of reel is $\phi 330$ mm and core is $\phi 80$ mm.
 - Quantity packed in a reel : 1,000pcs

C H A N G E						
	NO	DATE	BEFORE	AFTER	REASON OF CHANGE	SIGN

DATE	01-Dec-04	SPECIFICATION	BOSAN HI-TECH CO., LTD.
MODEL NO	BST-0843A		BEST QUALITY, SPECIALIZED SERVICE
PAGE	7/8		HI-TECH PRODUCTS

7. SOLDERING CONDITION

1) REFLOW SOLDERING

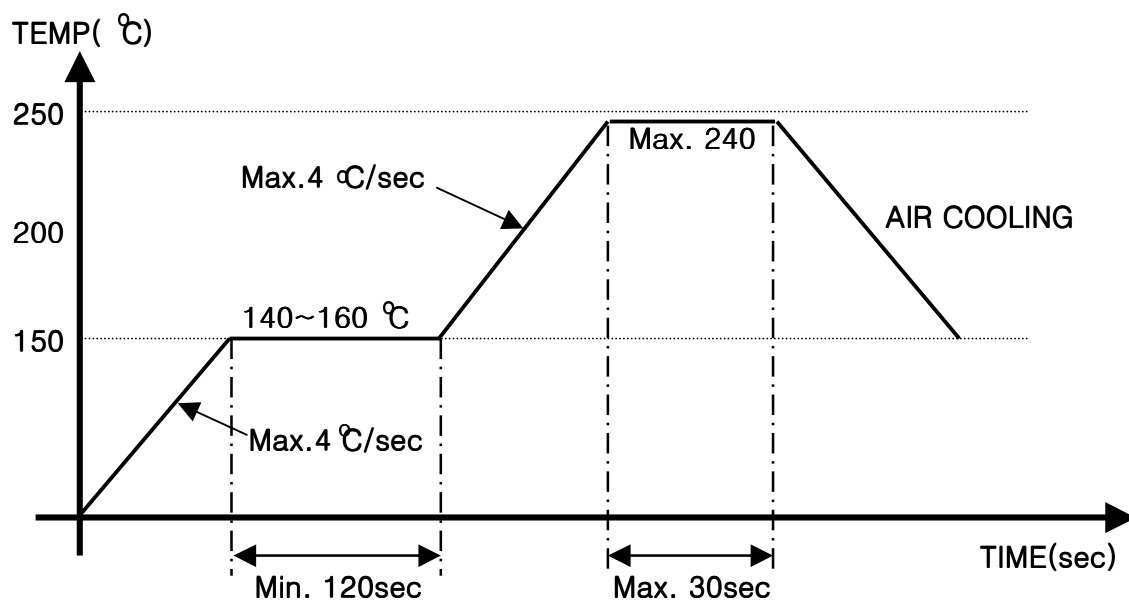
RECOMMENDABLE REFLOW SOLDERING CONDITION IS AS FOLLOWS.

#. REFLOW SOLDERING IS TWO TIMES

1-1 : IT IS REQUESTED THAT 2ND REFLOW SOLDERING SHOULD BE EXECUTED AFTER THE TEMPERATURE OF PRODUCT GOES DOWN TO NORMAL TEMPERATURE

1-2 : MAXIMUM REFLOW TEMPERATURE IS 240℃ WITH MAXIMUM DURATION OF 45 SECONDS BETWEEN 200℃ AND 240℃.

#. TEMPERATURE PROFILE(℃)



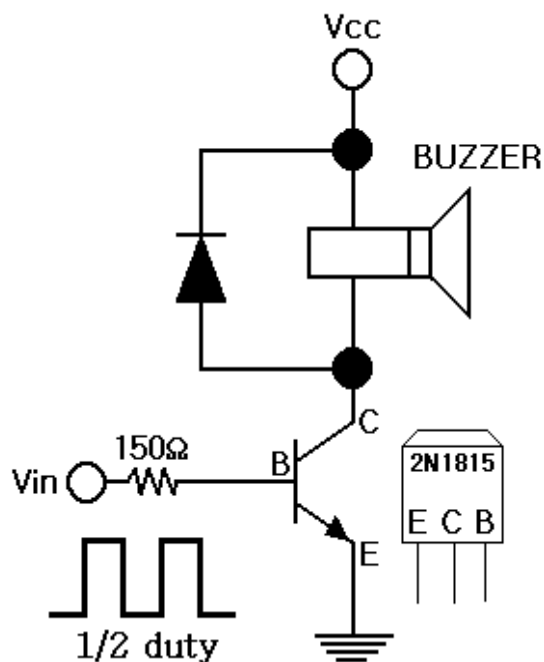
2) MANUAL SOLDERING

THE TEMPERATURE OF SOLDERING IRON : 350℃ WITHIN 10 SECONDS.

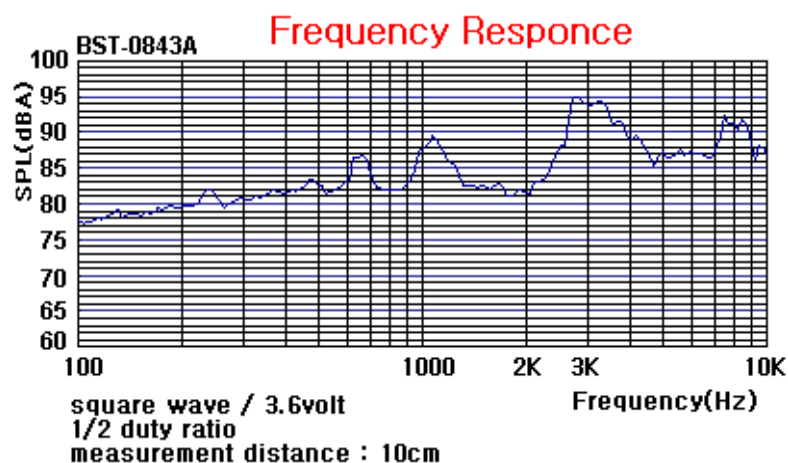
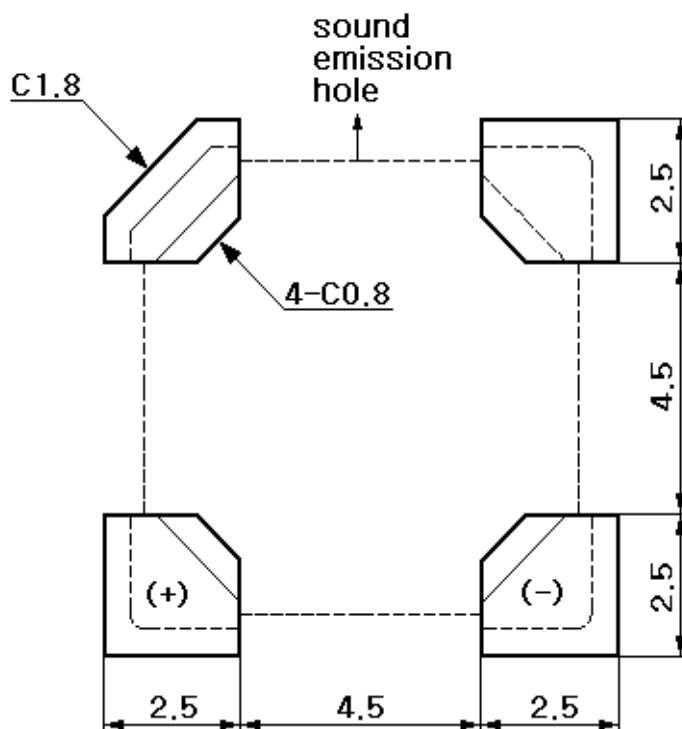
C H A N G E						
	NO	DATE	BEFORE	AFTER	REASON OF CHANGE	SIGN

DATE	10-Jan-05	SPECIFICATION	BOSAN HI-TECH CO., LTD.
MODEL NO	BST-0843A		BEST QUALITY, SPECIALIZED SERVICE
PAGE	8/8		HI-TECH PRODUCTS

<Standard Drive Circuit>



<Recommended foot print layout>



C H A N G E						
	NO	DATE	BEFORE	AFTER	REASON OF CHANGE	SIGN