Soberton Inc.

Product Data Sheet

Part No. ST-04CH Reflow Type (SMD)

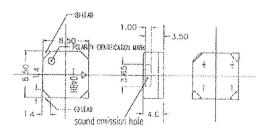
ST-04 BL

- -04 BH
- 04 BT
- 04 CH



8.5 X 8.5 X 4.0

DIMENSIONS



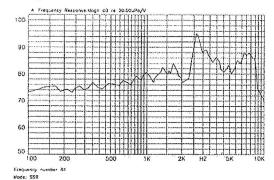
UNIT: mm TOLERANCE: ±3

HOUSING MATERIAL: LCP

Unit	
	Black
(V)	5
(V)	4-6
(mA)	MAX.70
(Ω)	30±3
(dB)	87
(Hz)	2730
(C)	-30~+85
(C)	-40~+85
(g)	1
	SMD
mm	8.5 x 8.5 x 4
	(V) (W) (mA) (Ω) (dB) (Hz) (C) (C) (g)

^{*}applied voltage: Rated Voltage, 1/2 duty, square wave

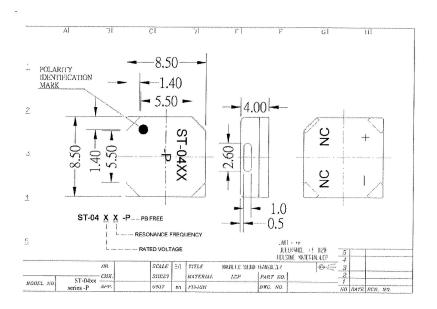
FREQUENCY RESPONSE



^{*}distance for measurement 10cm

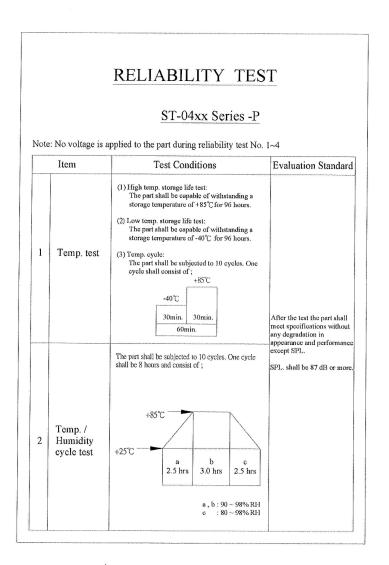
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Product Data Sheet





Product Data Sheet



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Product Data Sheet

RELIABILITY TEST

ST-04xx Series -P

Note: No voltage is applied to the part during reliability test No. 1~4

	Item	Test Conditions	Evaluation Standard
3	Vibration Test	The part shall be subjected to a vibration cycle of 10Hz to 55Hz to 10Hz in a period of 1 minute. Total peak amplitude shall be 1.52mm(9.3G). The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time of 6 hours.	
4	Dropping Test	(1) Fixed drop: The part shall be mounted on 100g jig(standard peboard) and dropped from a height of 152cm onto a concrete floor 5 times in each 6 planes. (a total of 30 times.) (2) Free drop: The part only shall be dropped from a height of 75cm noto a 40mm thick wooden board 3 times in 3 axes (X.Y.Z.). (a total of 9 times.)	After the test the part shall meet specifications without any degradation in appearance and performance except SPL. SPL. shall be 87 dB or more.
5	Operating life test	(1) Ordinary temperature: The part shall be subjected to 1000 hours at room temperature (25±10°C) with rated voltage & resonance frequency applied. (2) High temperature: The part shall be subjected to 500 hours at +70°C with rated voltage & resonance frequency applied. (3) Low temperature: The part shall be subjected to 500 hours at -30°C with rated voltage & resonance frequency applied.	51/1. shall be 8/ dB or more.

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Product Data Sheet

RELIABILITY TEST

ST-04xx Series -P

Note: No voltage is applied to the part during reliability test No. 1~4

	Item	Test Conditions	Evaluation Standard
6	Solderability	The part shall be dipped into the soldering bath conditioned as follows; Solder temp.: 260±5°C Soaking time: 10 - 11 seconds	95% surface of lead pins must be covered with fresh solder and soldering balls should be found.
7	Pin lead strength	3 lead pins shall be solder on the pc board , and the force (10n) shall be applied behind the part for 10±1 seconds.	
8	For infrared reflow oven	<recommended for="" oven="" profile="" reflow="" temperature=""> (Reference standard ; EIAJ ED-4702) 25045°C 25045°C 30410°C 30410°C 30410°C</recommended>	After the test the part shall meet specifications without any degradation in appearance and performance except SPL. SPL. shall be 87 dB or more.

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