F-L-SC2008-0.8W

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Electrical and Acoustical Parameter

Input Power(W)	0.8
Max. Input Power(W)	1.0
Impedance(Ω)	8 ±15%
Sound pressure level (dBA)	Min 90 +/-3 @ 0.1m/0.5W/ 1.0, 1.6, 2.0, 3.2 kHz average
Resonance frequency Fo(Hz)	850 ± 20%
Frequency Range (Hz)	fo~20K
Remark:	n.a.

Mechanical, Environmental Parameter

Contact / Wire	Pad
Operating temperature (°C)	-40 to +85
Storage temperature (°C)	-40 to +85
Material magnet	SMCO
Material membrane	Kapton
Material housing	LCP
Color Housing	Black
Component weight (g)	1.5
Packaging	n.a.
Remark:	

Approval

RoHs	☑
UL	☐

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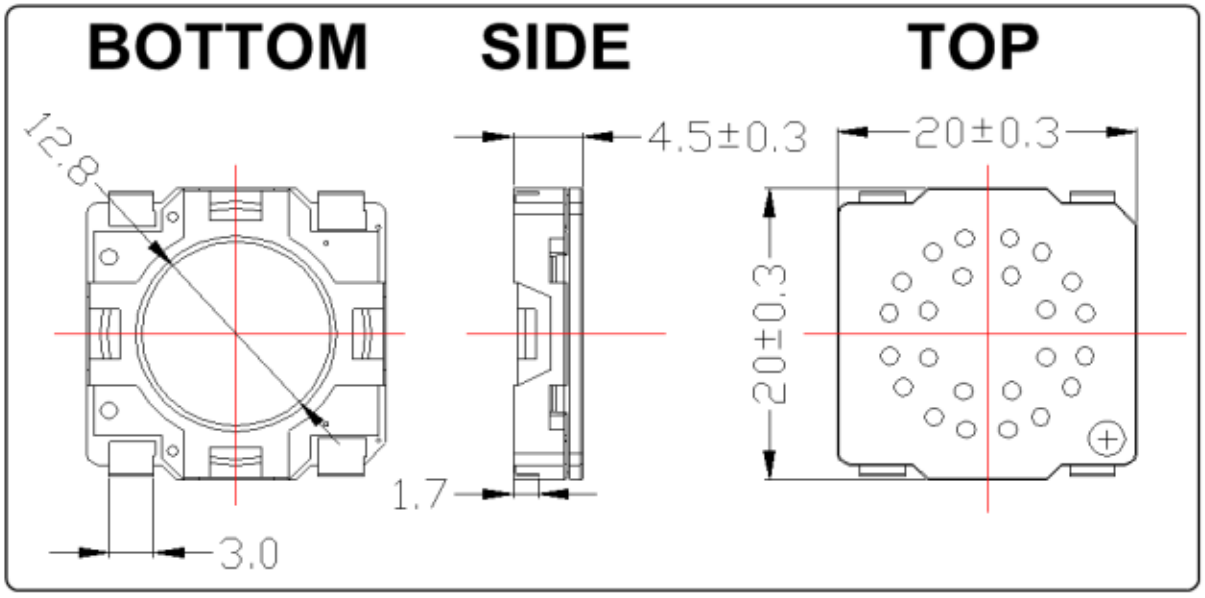
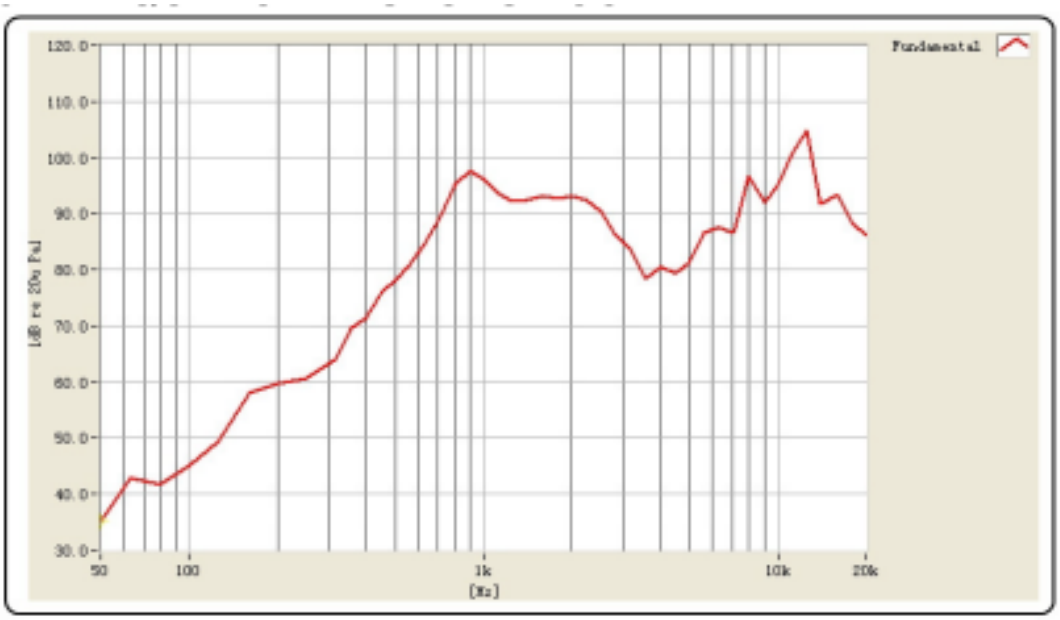
Drawing of Component



in mm

Frequency Response



Designed by	MZ	23.06.2015	Dimensions without tolerance ±0.5mm	Index: 00	Current date
Released by	CB	23.06.2015	Drawing number 150623.1LS0		23.06.2015
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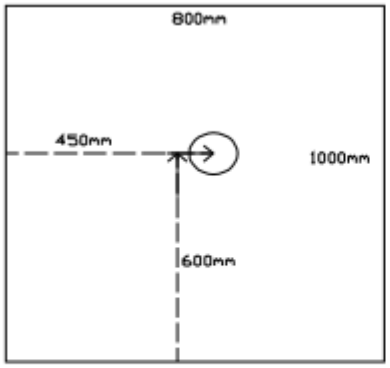
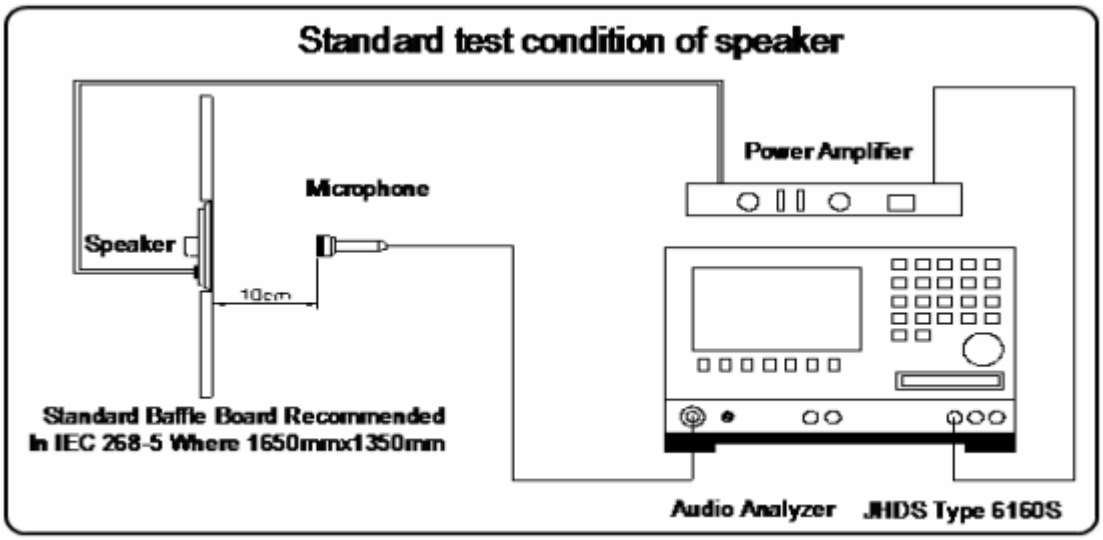
Measuring Conditions





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Reliability Test

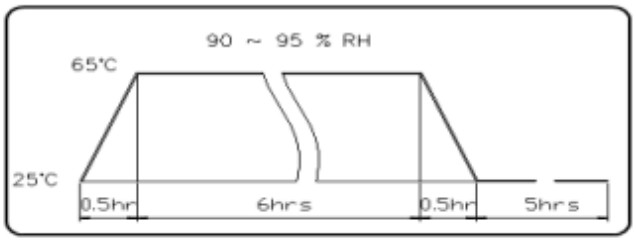
Testing Criteria
After these test , the change of S.P.L shall be within ±3 dB

1) Load Test
Rated Power White noise is applied for 96 hours

2) Temperature Test
a) Keep 96 hours at +85℃±3℃ and leave 3 hours in normal temperature and then check.
b) Keep 96 hours at -40℃±3℃ and leave 3 hours in normal temperature and then check

3) Humidity Test
Keep 96 hours at + 40℃±3℃ relative humidity 92-95% and leave 3 hours in normal temperature and then checked.

4) Temperature Cycle Test
The part shall be subjected 5 cycles. One cycle shall be 12 hours and consist of;



5) Drop Test
Free drop from 100cm height to the concrete floor
X,Y, Z 6 direction. 1 times each, total 6 times.

6) Vibration Test
10~55~10Hz sin-wave sweep 15min. 5G(constant)
X,Y, Z 3 direction. 2 hours each, total 6 hours.

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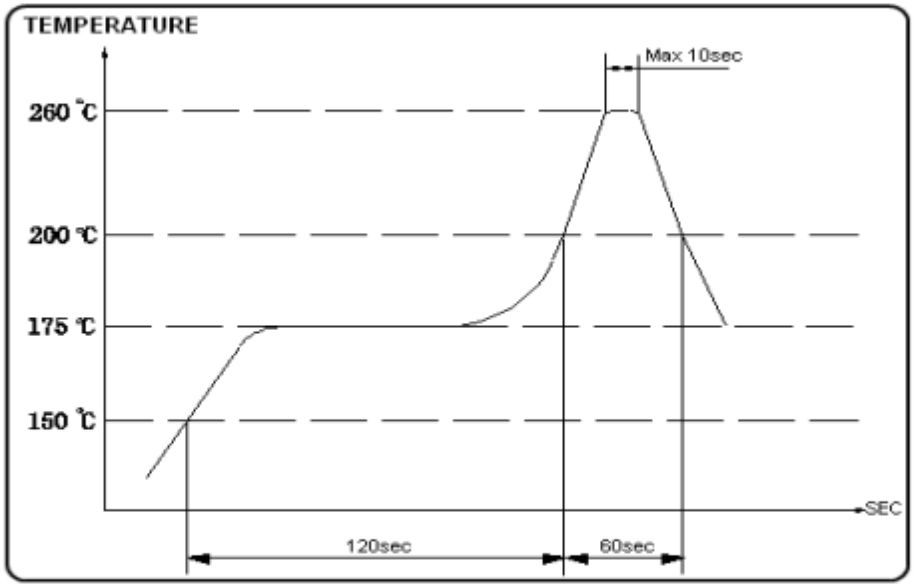
Recommended Soldering Profile

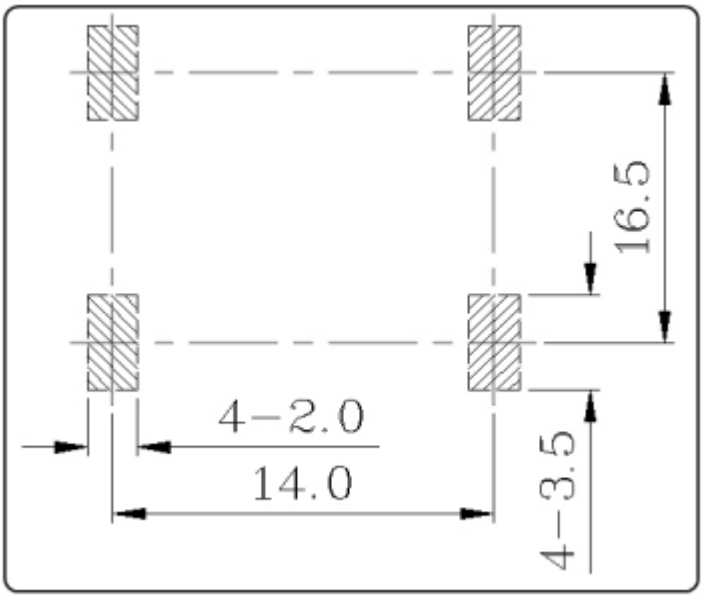
a) Recommendable reflow soldering condition is as follows
(Reflow soldering is twice)
Note:It is requested that reflow soldering should be executed after heat of product goes down to normal.



Heat resistant line (Used when heat resistant reliability test is performed)

b) Manual soldering
Manual soldering temperature 350º C within 5 sec.

Recommended Land Pattern



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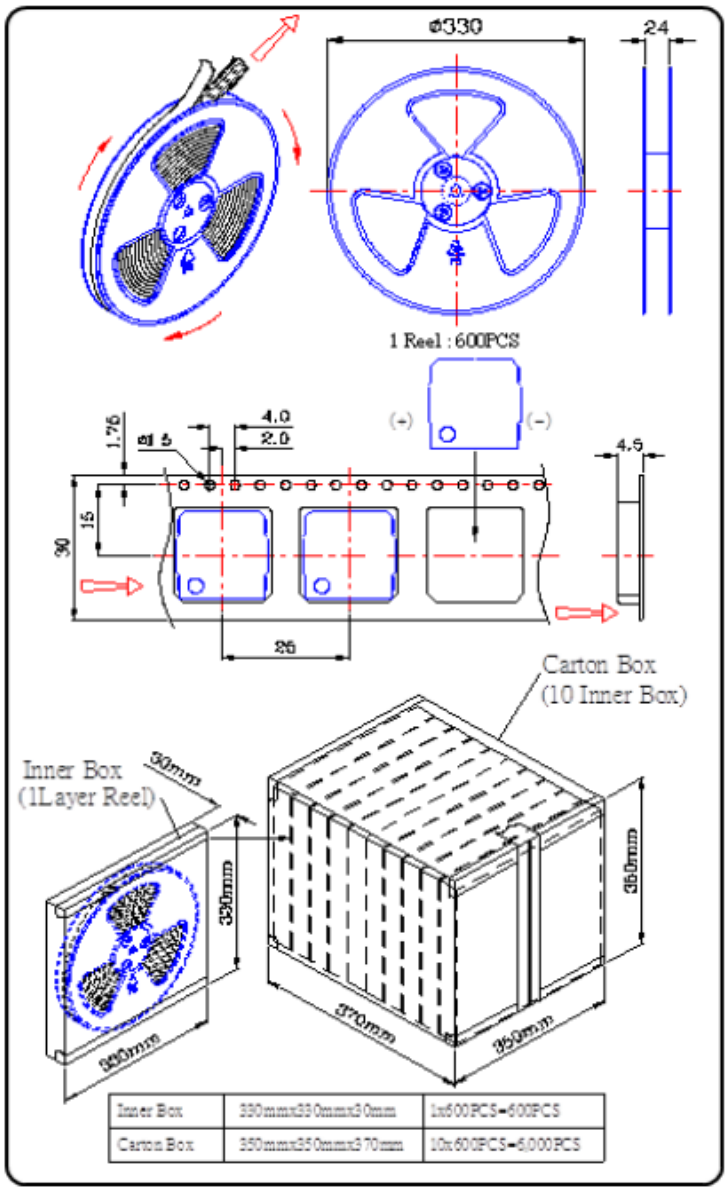
Packaging Information



Revision Table

Index Nr.	Date Reason - Procedure Change description	Drawing Date	implementation LS-Nr.: Date	Comments