

# Product Specification Sheet



## LMB0W-10

### LED & Music Bulb

### 60W incandescent replacement

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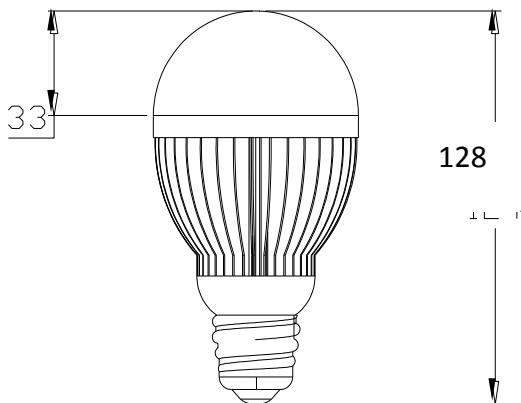
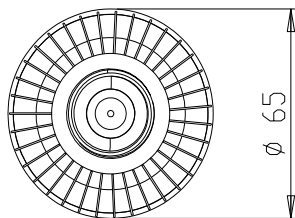
# Specification

## ■ Electric apparatus

Specification	
Input voltage	100VAC ~ 240VAC
Power dissipations	10W
Brightness	800 lm
Power factor	>0.7
Efficacy	80 lm/w
LED company	Nichia
Beam Angle	180 degree
LED Appearance	2700K
Color Rendering Index	>80
Type	A21
Dimmable	No
Warranty	3 years

## ■ Mechanical apparatus

Item	
Body	Aluminum 1050
Cover	PC
Lens	PC (Ln2250)
Socket	E26 / E27
Bulb Size	A21
Body Diameter	Φ 65mm
Body Length	128mm
Weight	125g



# Reliability

## ■ Environment

Heat Sink Surface Temperature	<75°C
Storage Temperature	-20° ~ 60°C
Operating Temperature	-10° ~ 45°C
M.T.B.F	25,000 hrs @ LRR <sub>70</sub> 40,000 hrs @ LRR <sub>50</sub>

# Bluetooth Specification

- Bluetooth 3.0+EDR Stereo Audio module

- **Feature**

- 1、 Bluetooth 3.0+EDR compliant
- 2、 Typical +2dBm Class 2 output power
- 3、 Audio DAC: 94dB SNR
- 4、 Build in Max. 250mAH Li-ion battery charging circuit
- 5、 HSP, HFP, A2DP, AVRCP profile support
- 6、 SBC decode for Bluetooth audio streaming
- 7、 Voice prompt
- 8、 Build in Line in interface
- 9、 NFC support
- 10、 EQ control
- 11、 Size: 13.5mm x 26.8mm

# BQB Approval



Qualified Design ID (QD ID)	B020022   <a href="#">Export PICS</a>						
PRD 1.0 ID (QP ID)							
Design Name	Bluetooth speaker module (MY8XSPK02M2)						
VI-FID Certification ID							
Subsetting Designs	<table border="1"> <thead> <tr> <th>Date Created</th> <th>Type</th> <th>PICS</th> </tr> </thead> <tbody> <tr> <td>Sep 23, 2012</td> <td>Main</td> <td><a href="#">PICS</a></td> </tr> </tbody> </table>	Date Created	Type	PICS	Sep 23, 2012	Main	<a href="#">PICS</a>
Date Created	Type	PICS					
Sep 23, 2012	Main	<a href="#">PICS</a>					
Member Company	Myland Ltd						
Specification Name	3.0						
Core Spec Addenda	N/A						
Design Model Number	MY8XSPK02M2, where X means 1-9						
Hardware Version Number	SPKV002						
Software Version Number	SPKV002						
Qualification Assessment Date	September/28/2012						
Listing Date	September/28/2012						
Design Description	Bluetooth Speaker Module with A2DP, AVRCP, HFP, HSP, GAVDP, PBAP profiles						
Product Type	End Product						

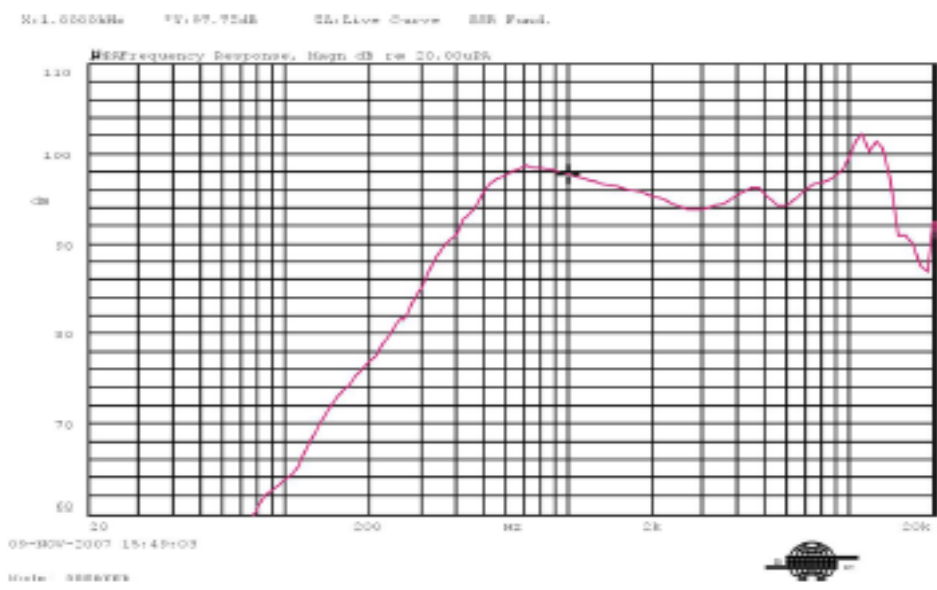
## Speaker Specification

### 1. SPECIFICATION

AK-2008AB-2W1 (RoHS)

ITEM		SPECIFICATIONS	
01	Type	Dynamic speaker	
02	Dimension	External diameter 20 mm	
03	Rated Input Power	1.5W.	
04	Max. Input Power	2.0W for 1 minute.	
05	Impedance	8 ohm $\pm$ 15% at 2K Hz	
06	Resonance Frequency (Fo)	700 Hz $\pm$ 20% at Fo, 1V	
07	Sensitivity (S.P.L.)	83dB( 1W/0.5m) $\pm$ 3 dB	at AVE 0.8K,1.0K,1.25K,1.5K Hz.
		95dB( 1W/0.1m) $\pm$ 3 dB	
		97dB( 1.5W/0.1m) $\pm$ 3 dB	
08	Frequency Range	Fo – 20K Hz	
09	Total Harmonics Distortion	Max. 10% at 1K Hz ,1.5W.	
10	Voice Coil	Diameter 10.2 mm	
11	Magnet	Rare earth permanent (Ferrite) magnet $\Phi$ 9.5 x 2.5 mm	
12	Weight	7.3g $\pm$ 0.3g	
13	Appearance	Should not exist any obstacle to be harmful to normal operation; damages, cracks, rusts and distortions, etc.	
14	Operation Test	Must be normal at program source 1.5W	
15	Buzz, Rattle, etc.	Should not be audible at 3.46V sine Wave between Fo to 20KHz	
16	Polarity	When positive voltage is applied to the terminal marked (+), diaphragm should move to the front.	
17	Terminal Strength	Capable of withstand 1kg load for 30 seconds without resulting in any damage or rejection.	
18	Temperature	Operating temperature: -20 $\text{^\circ}$ C to +60 $\text{^\circ}$ C	
		Storage temperature: -30 $\text{^\circ}$ C to +70 $\text{^\circ}$ C	

### 2-3. Frequency Response Curve



### 2-4. Impedance Curve

