# SPECIFICATION

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Customer

- Applied To :
- Product Name : SPEAKER
- Model Name : SP03A02R8-7790
- Drawing No. : KFC7790

Signature of Appronal

Signature of KEPO

Approved by	Checkde by	Issued by	Date
falons	刘婴襄	福光达	

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		Revision No.	1.0		
Model No.	SP03A02R8-7790	Drawing No.	KFC7790		
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#### 1. Scope

This specification is applied to the dynamic speaker which is used all of the electrical acoustic product.

-- compact, rich sound

-- applications: mobile phone, PDA, notebook computer, etc. ..

### 2. General

- 2.1 Out-Diameter :  $\Phi76$  mm
- 2.2 Height : 39 mm
- 2.3 Weight : 280 g
- 2.4 Operating Temperature range:

-40 ~+85 °C without loss of function

2.5 Store Temperature range:

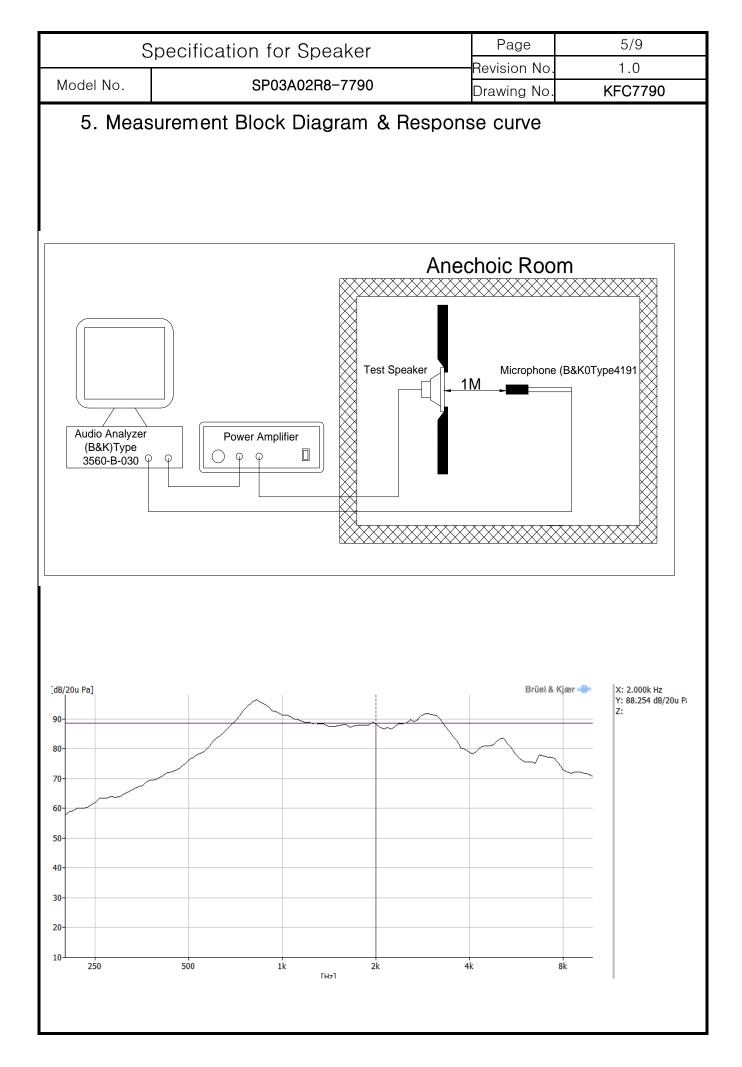
-40 ~+90 °C without loss of function

## 3. Electrical and Acoustic Characteristics.

Test condition : 15  $\sim$  35 °C, 25%  $\sim$  85% RH, 860 $\sim$ 1060 mbar

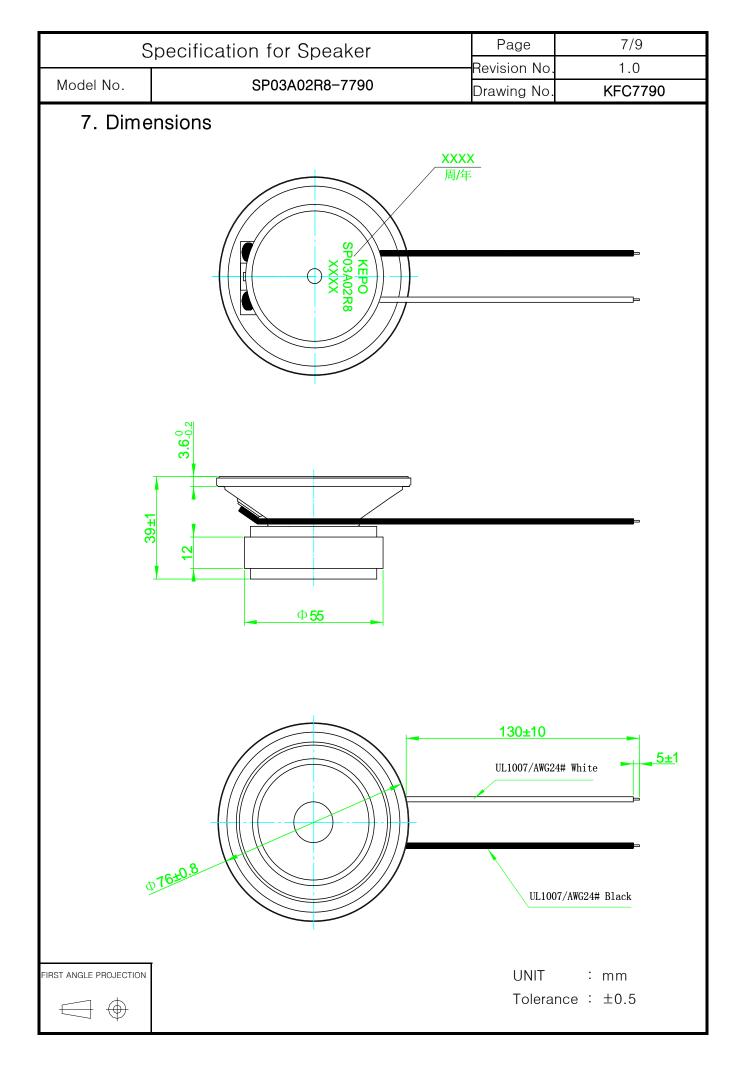
No	Items	Specification
1	Impedance	8 Ω ± 15% (1Vrms at 1KHz)
2	Sound Pressure Level	$\geq 86$ dB 1W/1m at1000Hz-2000Hz avg
3	Resonance Frequency	900 Hz ± 20%
4	Frequency Range	Fo ~4KHz
5	Input Power	Rated 10 W / Max. 20 W
6	Distortion	<10% Max. at 1kHz/2.83Vrms
7	Buzz and Rattle	Should not be audible buzzes,rattles when the 6.3V sine wave signal swept at frequency range.
8	Polarity	When supplied plus D.C. voltage to (+) terminal, the cone diaphragm must move to forward.

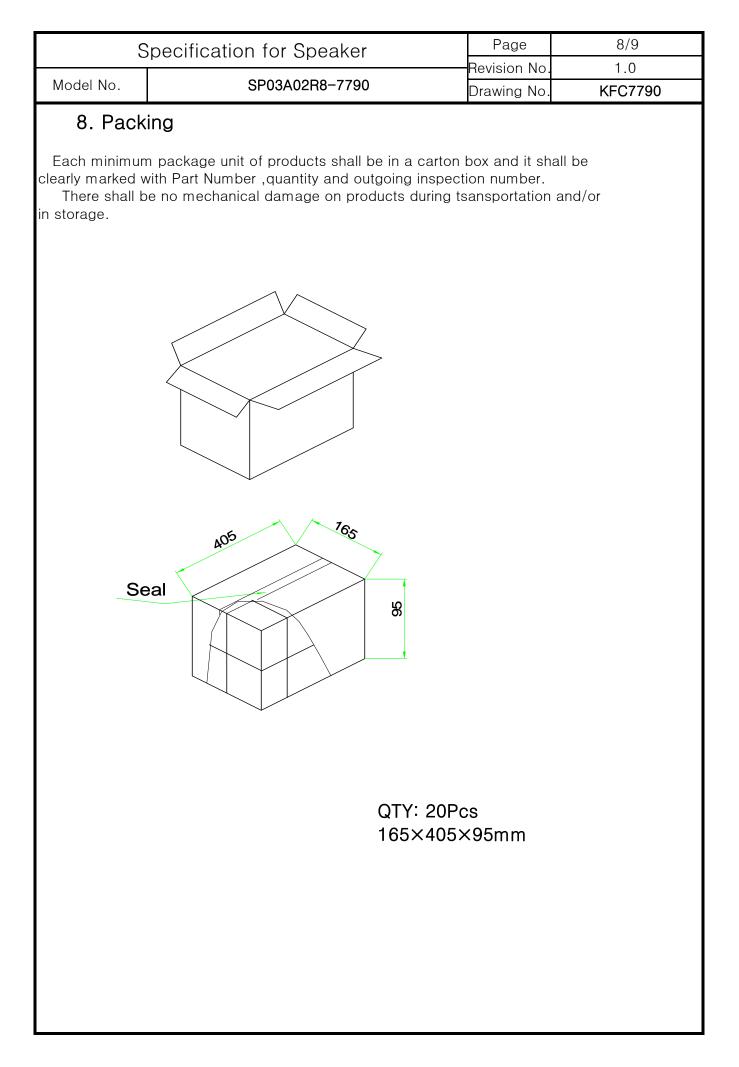
	5	pecification for	cation for Speaker Page Revision No.		4/9	
Мо	del No.	SP03A	02R8-7790	Drawing No. KFC77		
	After test appearance		r S.P.L . difference shall e to be harmful to norma especially distortion).		the	
No	ltem		Specifica	ition		
1	High Temp Test	Pratiline	placed in a chamber with Iced in natural condition			
2	Low Temp Test	ratura	g placed in a chamber w iced in natural condition			
3	Humidity	-	placed in a chamber wit being placed in natural o			
4	Thermal S Test	shall be placed diagram). After10ab hock in natural cond	p placed in a chamber at - in a chamber at -40°C for ove cycles, speaker shall lition for 1 hour. 20 Se -40°C	or 1 hour(1 cycle is the be measured after beir	below	
5	Vibration	Test band of vibratio	ng applied vibration of am on frequency to each of 3 ced in natural condition for	perpendicular direction	ns for 8	
6	Drop T	inclination and to the restraint After the test	dropped from 1m in lengt a magnetic circuit of spe metal. t, magnetic circuit should puld be met the item 11,12	eaker is hitted not drop out Restraint I	Speaker	
7	Load t		After being applied loading white noise with input power 10W(8.94Vrms.) for 96 hours, then placed in natural condition for 1 hour, speaker shall be measured.			
8	Insulatior	TAGT	e measured with DC 100V nd frame must be more th		e between	



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9	Terminal	1 Paper+Copr	Der		
8	Gasket	1 Rubber			
7	Paper Cone	1 Cotton			
6	Spider	1 Cotton			
5	Dust Cap	1 Kraft Pape	er		
4	Voice Coil	1 KSV			
3	Magnet	1 Y35			
2	Back Plate	1 SPCC			
1	Top Plate	1 SPCC			
No.	Part Name	Q'ty Material	F	lemarks	





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	9. Revision							
Rev. No.	DATE	PAGE	DESCRIPTION			BOM		
1.0	2015-9-22		Primary					