Dynamic Loudspeaker

With gasket
30×20×5.7 mm

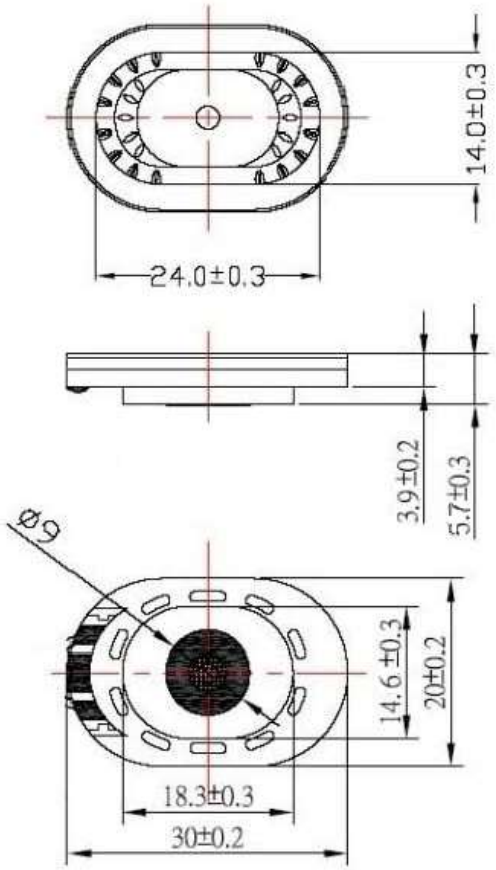
BO3020S057YN4

Revision

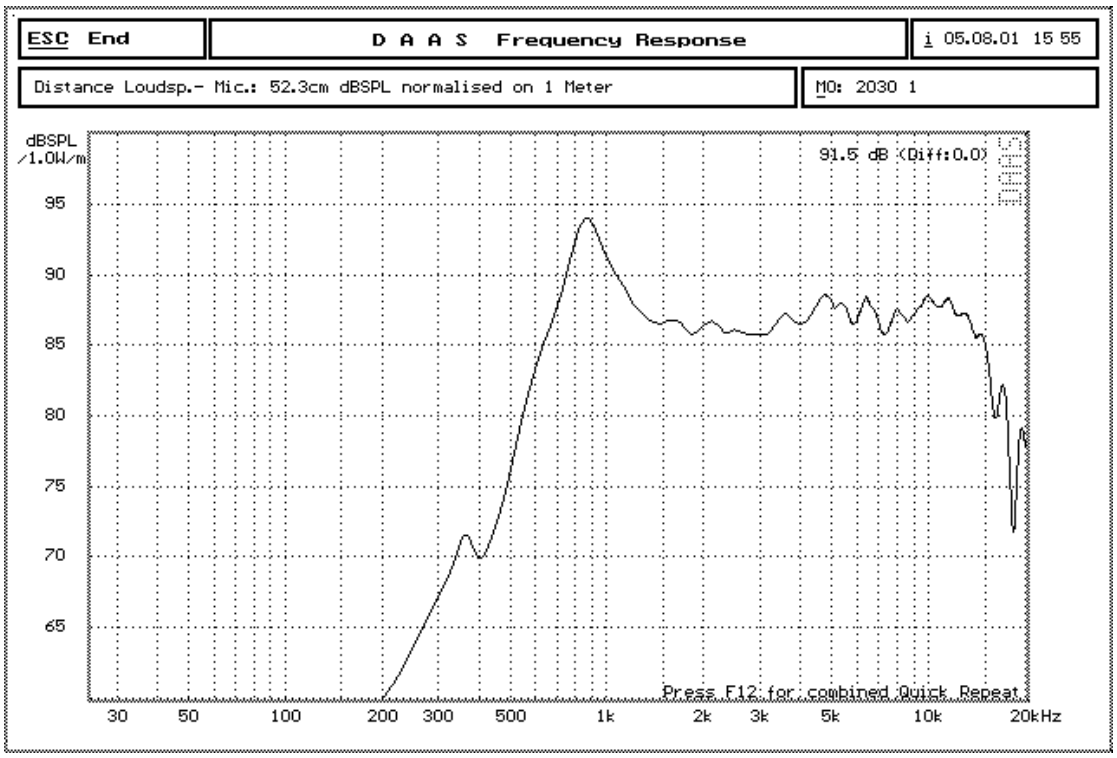
Date	Version	Status	Changes	Approver
2019/8/7	V0.1	Draft	Initial release	AX

ITEM	SPECIFICATION	TEST METHOD
Pure Tone Test	Sine Wave 2.0 V	GB/T9397 4.2
Impedance	4Ω ±15%	GB/T12060.5 16.1
Rated Power	1 W	GB/T12060.5 18.1
Lowest Resonant Frequency	800±20%Hz	GB/T12060.5 19.2.1
Frequency Range	F0—15KHz	GB/T12060.5 21.2
Sound Pressure Level	86±3dB (0.5 M,1W 800~15K Hz average)	GB/T12060.5 20.4、10.1.a
Insulation R	Min 1MΩ	GB9397 5.4.1
Distortion	Max 15%	
Withstand V	AC 100 V 50Hz 1min	GB9397 5.4.2
Polarity	When a positive DC current is applied to the Voice coil terminal marked "+", the diaphragm shall move forward.	GB/T12060.5 14
Sliding Shock Test	600 mm±25mm， angle 60° ±5°	GB9397 5.5.2
Drop Test	60cm	GB9397 5.5.4
Hi-Temp Load Storage Test	55℃±2℃, 1/4power 16 hours, placement 2 hours	GB9397 5.5.5
Humidity & Heat Test	40℃±2℃，RH （$93^{\pm\frac{2}{3}}$）% , 48 hours, comeback 24 hours	GB9397 5.5.6
Low-Temp Load Storage Test	-10℃±3℃,1/4power 1hour, lower -25℃±3℃ placement 2hours，comeback 4 hours	GB9397 5.5.7
Waterproof	IP65	
Dimension	20*30 mm	
Mag. Size	13.2*9.7*1.6mm	

2. Drawing



3. Frequency Response



4. Material List

1） Membrane PEN
2） Basket PBT+33%BF
3） Cover PBT
4） Pot SPCC
5） Magnet Nd-Fe-B
6） Top plate SPCC
7） Terminal PCB
8） Dimension 20×30×5.7mm
9） Weight 4.5g

