REVISION HISTORY



Product	Micro speaker			Issued Date	29-Jan-16	
Model No.	U208S38P			Page No.	1 of 4	
REV No.	DATE	PAGE	DESCRIPTION OF REVISION		REASON	
0	16.01.29		INITIALLY DESIGNED			

SPECIFICATION



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1. Physical dimension.

Diameter	20 mm (Refer to drawing)	
Thickness	4.5 mm (Refer to drawing)	
Weight	$3.0g \pm 0.3g$	

2. Electric characteristics.

Impedance	8 $\Omega \pm 15$ % at 1.0V 1KHz.		
S.P.L.	90 dB \pm 3 dB at 0.8, 1.0, 1.2, 1.5 KHz.		
	Average figures / 4 Pts.		
Power	Nor.: 1.0 W (2.83V)		
	Max.: 1.5 W (3.46V)		
Resonant Frequency (Fo)	670 Hz ± 20% at 1.0 V		
Effective Frequency band	Fo ~ 20 KHz.		
Distortion	Less than 5% at 1 KHz 0.1 W.		
Buzz & rattle, etc.	Not be audible at 2.83 V sine wave, Fo ~ 20 KHz.		
Load Test	Must be normal with program source 1.0 W. / (2.83V)		
	White noise(EIA) / 96 Hrs.		
Magnet	9.8 mm × 1.1 mm (Rare Earth Permanent Magnet)		
Leakage Flux Front Cover Surface Center: MAX 1200 Gauss			

3. Environment Test

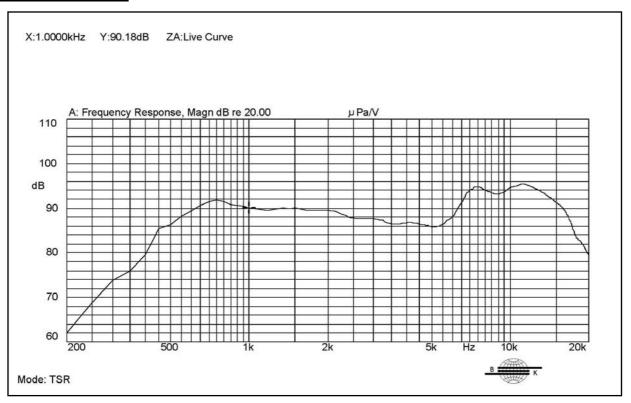
High Temperature	+85 °C ± 3 °C 96 Hrs and keep 6 Hrs in a room.
Low Temperature	-40 °C ± 3 °C 96 Hrs and keep 6 Hrs in a room.
Humidity Resistance	$+40 ^{\circ}\!$
Operation Temperature Range	-40°C ± 3°C ~ +60°C ± 3°C
Storage Temperature Range	-40°C ± 3°C ~ +70°C ± 3°C

SPECIFICATION

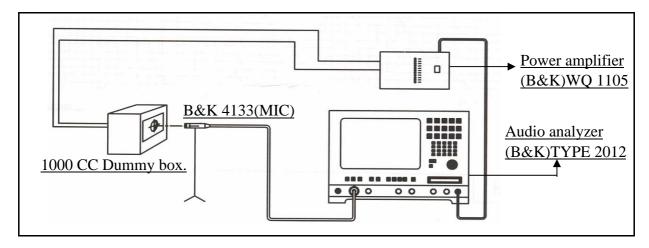


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4. Frequency curve.



5. Test diagram.



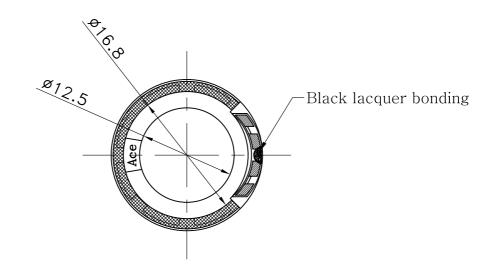
6. Measurement condition.

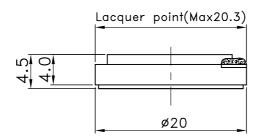
Microphone	Microphone B&K 4133		60 dB
Mode	TSR	Input power	0.1 W
Mic distance	0.1m	Sweep time	0.5Sec

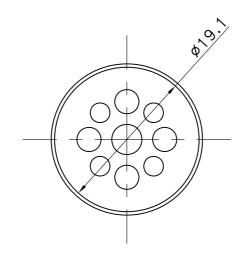
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REV.NO DATE		DESCRIPTION	DRAW.BY	CHKD.BY	APP.BY

MARKING









UNIT	mm	DRAW.BY	CHKD.BY	APP.BY	DATE	29-JAN-2016
SCALE	2:1	T.W.PARK	J.H.MOON	I.G.SONG	MODEL NO.	U208S38P
TOL ±0.3 2016.01.29		2016.01.29	2016.01.29	NOMENCLATURE	MODEL DIMENSION	
FRM.UA-G-004-03 Rev.0 UNISON ACOUSTICS CO., LTD. A4 (297 X 210) mm						