



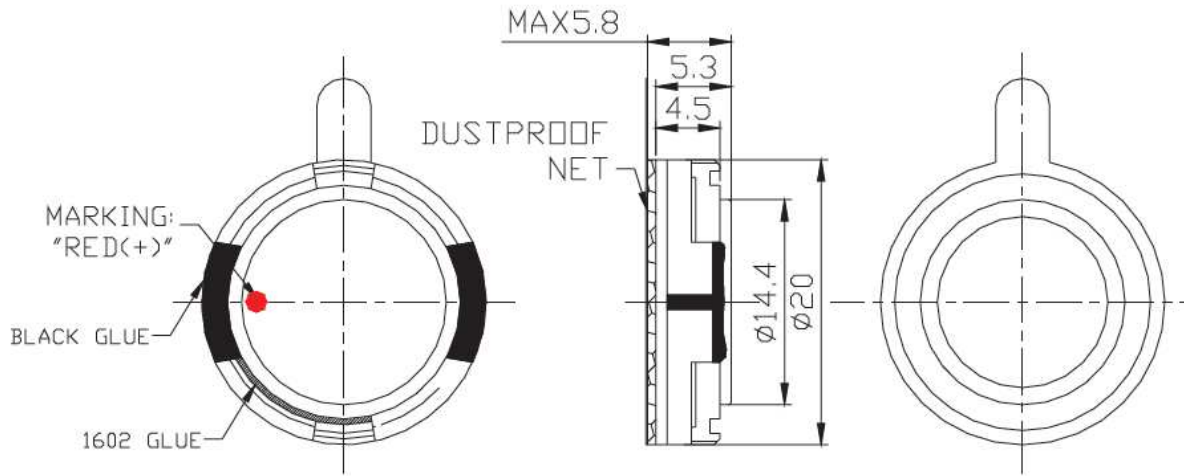
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**EN:** This Datasheet is presented by the manufacturer.

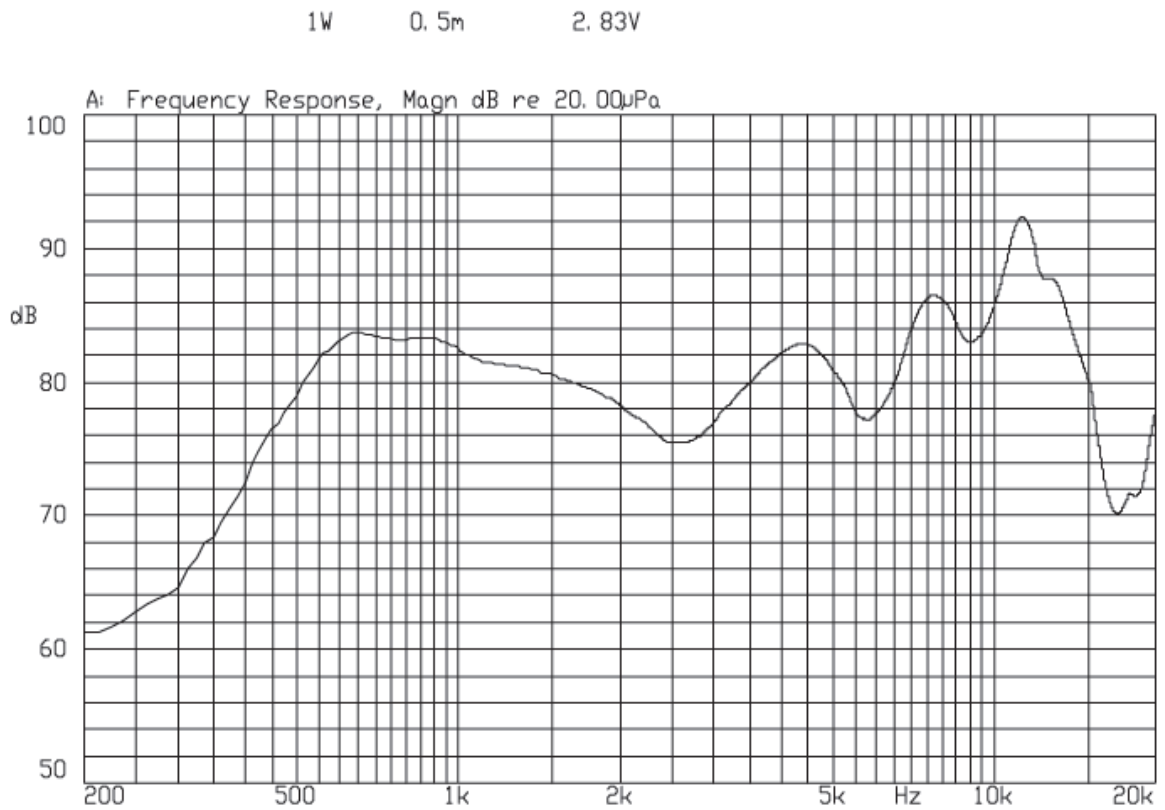
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# LOUDITY LD-SP-UM20/8A



## Curve

### *Frequency Response Curve*



## Specification

Type	Unit	Specification
Impedance(at 1KHz,1V)	$\Omega$	$8 \pm 15\%$
Rated(max)Power	W	1.5 / 2.0
Resonance Frequency(at 1V)	Hz	$700 \pm 20\%$
Frequency Range	Hz	Fo~20000
Sensitivity 1.0W/0.5m(AVG0.8,1.0,1.2,1.5)KHz	dB	$83 \pm 3$
Weight	g	10
Operating Temperature	$^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Storage Temperature	$^{\circ}\text{C}$	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$

## Environmental Test

High temp. Test	Keep 96 hours at $+70^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and leave 3 hours in normal temperature and then check
Low temp. Test	Keep 96 hours at $-30^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and leave 3 hours in normal temperature and then check
Vibration. Test	10~55~10Hz sin-wave sweep 15min. 5G(constant) X,Y, Z 3 direction. 2 hours each, total 6 hours.
Drop. test	Free drop a unit from 80cm height to a board of 20mm thick x,y, z 6 direction. 1 times each, total 6 times.
Load .test	Rated Power white noise is applied for 96 hours