

8Ω Speaker

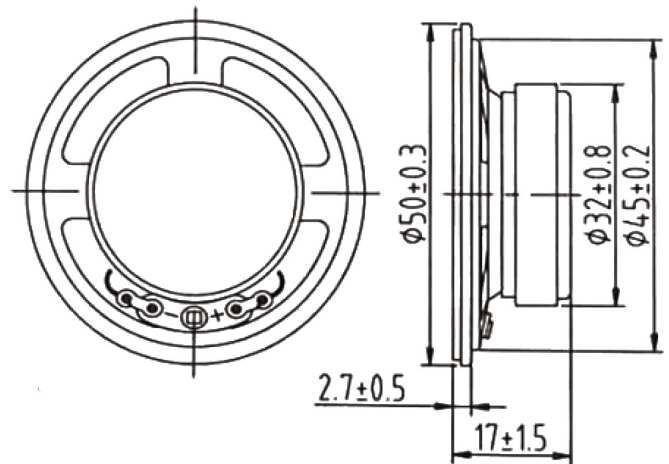
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RoHS
Compliant



Specifications

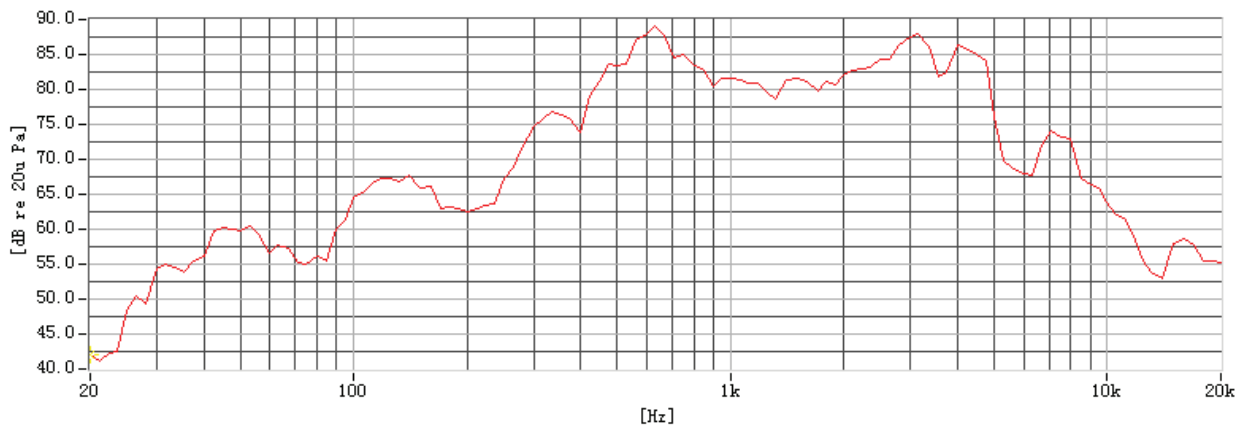
Rated impedance at 1kHz/1V	: 8Ω ±15%Ω
Rated input power	: 2W
Maximum input power	: 3W
Resonant Frequency (f0) / 1V	: 650 Hz ±20%Hz
Frequency Range	: 0Hz-5kHz
Sound pressure level at 1kHz/1W/0.5m baffleboard (IEC)	: 82 ±3dB
Total harmonic distortion at 1kHz/1W	: 5%Max
Voice coil diameter	: 13.28mm
Magnet (Nd-Fe-B)	: 12mm × 2mm
Operating Temperature	: -20°C to +60°C
Storage Temperature	: -25°C to +70°C
Weight	: 47g ±10%



Dimensions : Millimetres

Material	IP rating - IP67
Frame & Yoke - SPCC	Polarity - When a positive DC
PCB terminal - Paper Cu	Current is applied to the voice coil
Diaphragm & Cap - Mylar	terminal marked +or red, the diaphragm
Voice coil - Cu	shall move forward
Magnet - Ferrite	Buzz, rattle - Must be free of audible
	noise (buzzes and rattles) at 4Vsine
	wave between F0-2,000Hz.

SPL at 3w3m



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Item	Specifications
High temp. Test	Keep 96 hours at +70°C ±3°C and leave 3 hours in normal temperature and then check
Low temp. Test	Keep 96 hours at -25°C ±3°C and leave 3 hours in normal temperature and then check
Humidity test	Keep 96 hours at +40°C ±3°C relative humidity 90±5% and leave 3 hours in normal temperature and then checked.
Thermal cycle test.	Low temperature: -27°C ±3°C , temperature:+70°C±3°C, cycle: 1 hour/ cycle each, and then keep 5 cycles in a room.
Vibration	Speaker shall be measured after being applied vibration of amplitude of 1.52mm with 10 to 55Hz band of vibration frequency to each of X, Y, Z 3 direction for 2 hours
Drop test	Drop the speakers contained in normal box onto the board 40mm thick 10 times from the height of 75cm
Load test	Rated Power white noise is applied for 96 hours
Terminal strength test	Capable of withstand 1N load for 30 seconds without resulting in any damage or rejection.

Test Condition

STANDARD

Temperature : 15°C to 35°C

Relative humidity : 45% to 85%,

Atmospheric pressure : 860mbar to 1060mbar.

JUDGEMENT

Temperature : 20 ±3°C

Relative humidity : 60% to 70%,

Atmospheric pressure : 860mbar to 1060mbar

Standard Test Fixture

Input Power : 1W

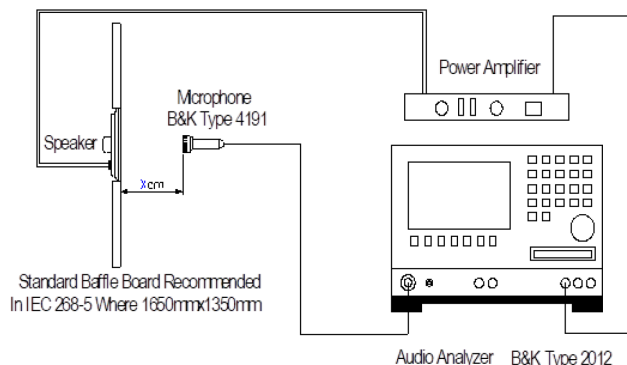
Zero Level : -dB

Mode : TSR

Potentiometer Range: 50dB

Sweep Time : 0.5sec

Standard test condition of speaker



X = 50cm

Part Number Table

Description	Part Number
Speaker, Mylar Cone, 8Ω, 2W, 50mm Dia	MP004283

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