

Data Sheet AS05004PS-2-F-WP-R

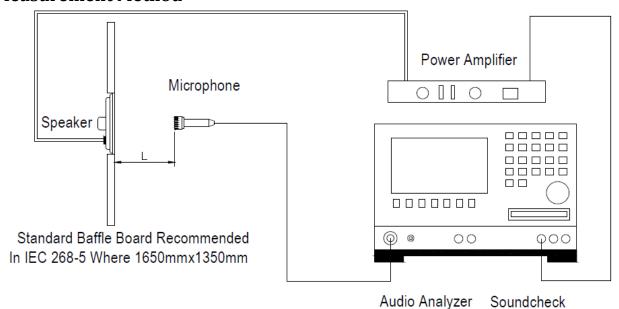
Features:

- Flange Mount for easy installation
- IP 65 Rated

Specifications

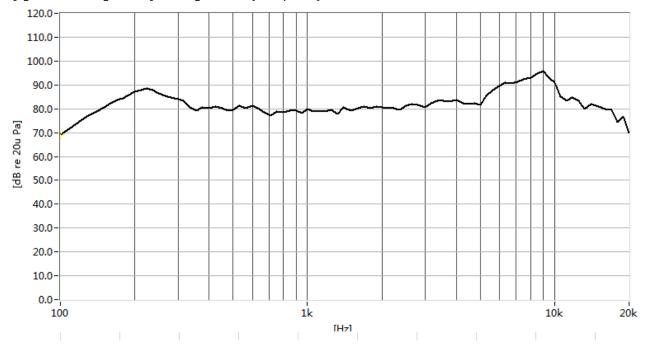
Parameters	Values	Units
Rated Input Power	3.0	Watts
Max Input Power	4.0	Watts
Impedance	4 ± 15%	Ohms
Output SPL (@ 1.0k, 1.2k, 1.5k, 2.0k Hz in 1.0W/0.5M)	80 ± 3	dB
Resonant Frequency	200 ± 20%	Hz
Frequency Range	200 ~ 19,000	Hz
THD (@ 1K Hz, 1.0W)	≤5%	
Frame Material	SPCC	-
Magnet Material	NdFeB	-
Diaphragm Material	Paper + Cu	-
Weight		Grams
Ingress Protection Rating	IP65	-
Buzz, Rattle, etc.	must be normal at sine wave between 200 ~ 10K Hz at 3.45 V	-
Environmental Compliances	ROHS/REACH	-
D.J. W	cone will move forward with positive dc current to"+"	
Polarity	terminal	-
Storage Temperature	-40 ~ 85	°C
Operating Temperature	-20 ~ 60	°C

Measurement Method



L=50cm

Typical Frequency Response (1.0W/0.5M)



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Typical Thiele-Small Parameters (based on Golden Sample, up to 20% variance is normal)

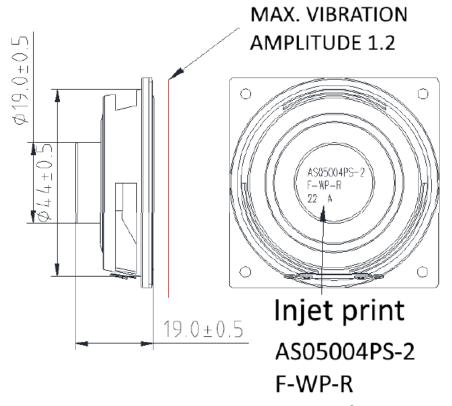
Specification	Value	Description
Re	3.64	DC resistance
Le	0.027	Inductance @ 10 kHz
Fs	377.8	Resonant Frequency
Mms	0.386	Moving Mass
Bl	1.112	Magnet Force Factor
Qms	2.948	Mechanical Q-factor
Qes	2.697	Electrical Q-factor
Qts	1.408	Total Q-factor
Vas	0.0157	Equivalent Air Volume of Suspension

Reliability Testing

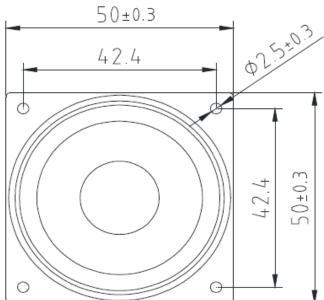
Renability resting			
Type of Test	Test Specifications		
High Temperature Test	96 hours at 85 ± 2°C		
Low Temperature Test	96 hours at -40 ± 2°C		
Humidity Test	48 hours at 40 \pm 2°C with relative humidity at 90 \sim 95%		
Temperature Cycle Testing	The cycle should be run 4 times, with each cycle consisting of: +60°C +25°C -20°C 2hrs hr hr hr 2hrs 6hrs		
Vibration Test	Frequency 30 ± 15 Hz, Amplitude 1.5 mm for 3 Hours		
Drop Test	75 CM free falling on Concrete floor, 10 times		
Load Test	Must perform normal with program White-Noise source at rated power for 96 hours		

After each test, parts should conform to original performance within ± 3 dB tested with Rated Power, after 6 hours of recovery period.

Dimensions

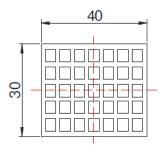


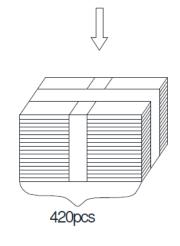
22 A (22: Year A: Month)

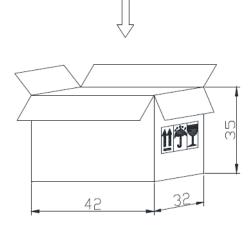


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Packaging







Specifications Revisions

Revision	Description	Date
Α	Released from Engineering	5/11/2022
В	Revised Drawing and Packaging	11/2/2022

Note:

- 1. Unless otherwise specified:
 - A. All dimensions are in millimeters.
 - B. Default tolerances are ± 0.5 mm and angles are $\pm 3^{\circ}$.
- 2. Specifications subject to change or withdrawal without notice.