

Document Name	Specification Sheet	Page	1/2
Product Name	Flat Panel Speaker		
Customer's Part No.			
Our Part No.	FPS-0304N3R1		
	Item	Specifications	
1	Rated Impedance	4.0Ω ± 15% (DCR)	
2	Lowest Resonance Freq	140Hz ± 20% (1V - Free Air)	
3	Effective Frequency Range	f0 - 20KHz ± 20% (-10dB SPL)	
4	Sound Pressure Level	80dB ± 3dB / W / M (AVR 300, 400, 500, and 600Hz)	
5	Rated Input	10.0W (JIS White Noise 96 Hours)	
6	Maximum Input	20.0W (Music Power)	
7	Harmonic Distortion	Less than 5% (Rated Power 1kHz)	
8	Buzz & Rattle Test	3.4 V (Sine Wave)	
9	Magnet	Rare Earth 10 x 10 x 3mm x 12pcs	
10	Outside Dimensions	W66.5 x H107 x D8mm	
11	Weight	93g	
Life Test			
12	Operation Temperature Range	-10 - +50°C	
13	Store Temperature Range	-30 - +70°C	
14	Load Test	15 - 20°C, (JIS 10W 96Hours)	
15	Heat Resistance	70°C, 20 - 50%, 96Hours	
16	Humidity Resistance	90 - 95%, 40°C, 96Hours	
17	Cold Test	-30°C, 96Hours	
18	Temperature Cycle Test	-30°C, 70°C 2Hours, 5 Cycle	
19	Voltage Isolation Test	AC 100VAC, 1MΩ UPPER (The isolation resistance is greater than 1MΩ when AC 100V is applied between the terminal and the Frame for 1 minute)	
20	Drop and Vibration Test	JIS	
Frequency Response			
<p>The graph displays the frequency response of the speaker. The vertical axis represents Sound Pressure Level (SPL) in dB, ranging from 40 to 100. The horizontal axis represents Frequency in Hz on a logarithmic scale, ranging from 20 to 20,000. The curve starts at approximately 55 dB at 20 Hz, rises to a resonance peak of about 85 dB at 150 Hz, then drops to a minimum of about 75 dB at 200 Hz. It then fluctuates between 75 dB and 85 dB up to 10,000 Hz, before slightly declining to about 78 dB at 20,000 Hz.</p>			
APVD.	CHK.	DRAW.	Product Dept.
Hisasue	Oshida	Mitsuno	Date 4/2/2001
FPS INC. Tokyo Japan			