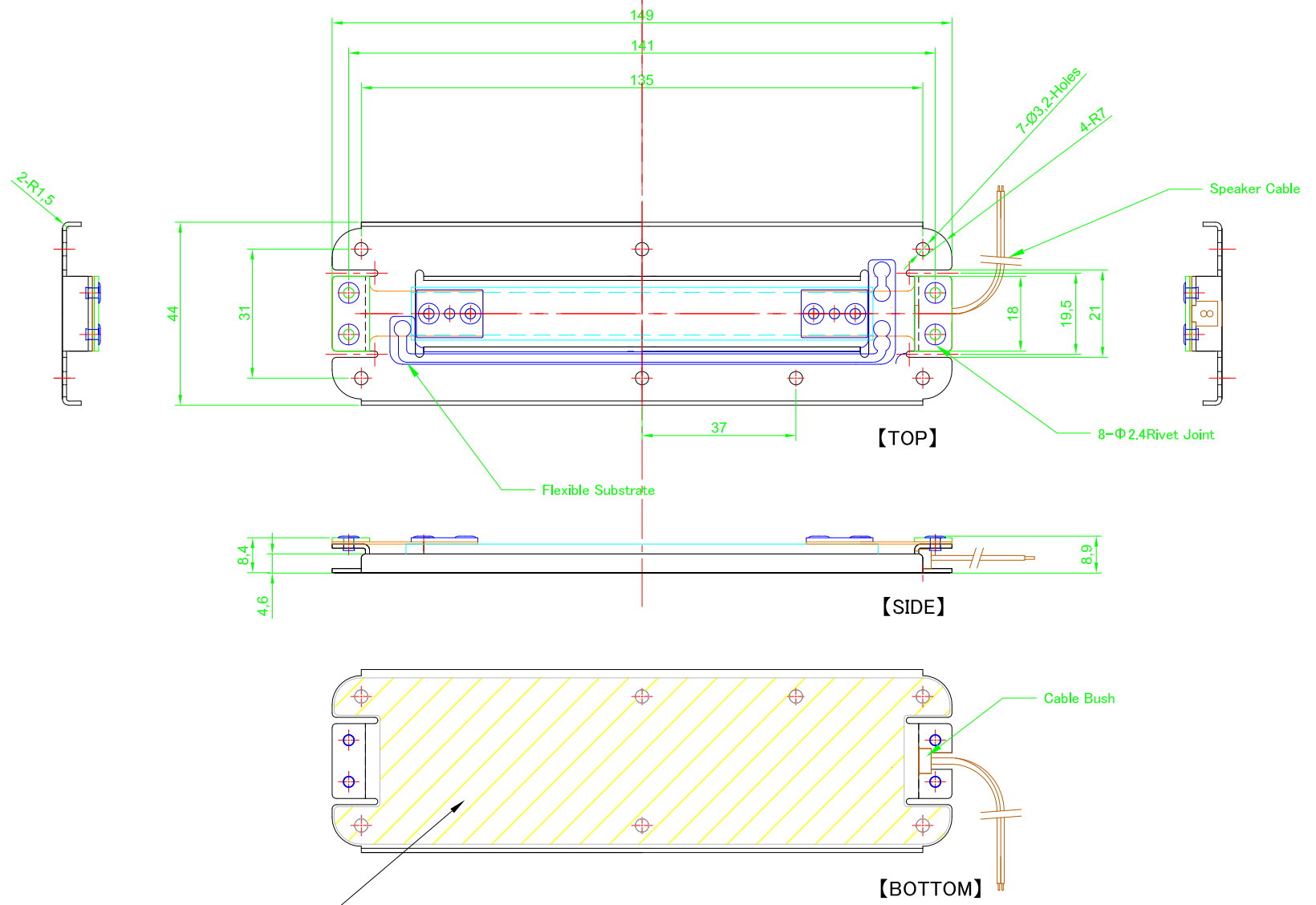


Document Name		Specification Sheet		Page	1/2
Product Name		Flat Speaker Hybrid Exciter			
Customer's Part No.					
Our Part No.		FPS-E0104NS3P1			
	Item	Specifications			
1	Type (Dia, Stru..F-rng)	149 x 44mm, Flat Exciter, Frq. Range depends on mounting materials			
2	Rated (MAX) Input	10W (20W Max.)			
3	Rated Impedance	4Ω ± 15%			
4	Resonance Frq (fo)	Depends on mounting materials			
5	Sound Pressure Level	85dB ± 3dB (mounted on isocyanate board T=10, 320 x 360mm) 1W, 0.5m (AVR 500, 600, 700, 3k, 4k, 5kHz)			
6	Polarity	When a positive DC current is applied to the voice coil terminal marked PLUS, the diaphragm shall move forward.			
7	Terminal	AWG22 flat cable (270 + 30, - 0mm)			
8	Weight	68g			
9	Magnet	Rare Earth 4pcs of 10 x 10 x 3, 3 pcs of 10 x 5 x 3mm			
10	Outside Dimensions (Without Terminal)	W44mm x H149mm x D8.9mm			
Life Test					
1	Heat Resistance	80°C, 20 - 50%, 100Hours			
2	Cold Resistance	-40°C, 100Hours			
3	Humidity Resistance	40°C, 92 - 96%, 100Hours			
4	Load Test	15 - 25°C, 100Hours			
5	Withstand Voltage Test	AC 100V, 1MΩ UPPER (The isolation resistance is greater than 1MΩ when AC 100V is applied between the terminal and the yoke)			
6	Environmental Standard	Comply with RoHS			
7	Pass Criterion	Proper function, frequency response, and composition. (The evaluation is performed after keeping the transducer in the room temperature and humidity for 24 hours.)			
	Frequency Response	1W / 0.5m, JIS Standard Box (JIS C5532) (mounted on isocyanate board T=10, 320 x 360mm)			
8	<p>The graph plots Sound Pressure Level (SPL) in dB on the y-axis (0 to 100) against Frequency in Hz on a logarithmic x-axis (10 to 100,000). The curve shows a resonance peak of approximately 98 dB at 200 Hz. There is a secondary peak of about 92 dB at 500 Hz. The SPL then generally decreases, with a notable dip to 50 dB at 10,000 Hz, before rising slightly to 60 dB at 20,000 Hz and ending at 50 dB at 30,000 Hz.</p>				
9	APVD.	CHK.	DRAW.	Product Dept.	
	Anamoto	Ito	Nakabayashi	Date	4/11/2013
FPS INC. Tokyo Japan					

FPS-E0104NS3P1

RevNo	Revision note	Date	Signature	Checked
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6	
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2	
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No.	PART NAME

1pcs/Kit	Material:Aluminium Dimention:149-44-8.5		Article No./Reference		
DRAW. Y ENOKIDO	Checked by T Yamaguchi	Approved by - date	File name	Date 05-Jun-2012	Scale 1:1
FPS INC. 株式会社エフピーエス			FPS-E0104NS3P1		
			Edition 02	Sheet	