



CAR AMPLIFIER SPECIFICATION & TEST REPORT

Report No.	ZNRD-231023-01	Date	23.OKT.2023
Maker's Model No.	FAF-ZU5000.1D	Temperature	25
Buyer's Model No.	FORCE FA-5000.1D	Tested by	
Brand Name	DYNAMIC STATE	Approved by	

No.	MEASURING ITEM			Spec	MONO					
	Item	Test Condition	Unit		D					
1	Mode		Class	D	D					
2	Power Source	DC	V	14,4	10	12	13,8	14,4	16	18
3	Power Output(RMS) at 100Hz	4 Ω, 100Hz	W	1300	800	1160	1380	1460	1384	PT
		2 Ω, 100Hz	W	2500	1400	2110	2600	2750	2749	PT
		1 Ω, 100Hz	W	4500	2200	3300	4300	4950	5364	PT
		0.5 Ω, 100Hz	W	PT RANGE	PT	PT	PT	PT	PT	PT
		BRG 4 Ω, 100Hz	W	5000	2600	3900	4900	5300	5400	PT
		BRG 2 Ω, 100Hz	W	9000	4200	6300	8500	9900	10520	PT
4	Power Consumption	BRG 1 Ω, 100Hz	W	PT RANGE	PT	PT	PT	PT	PT	PT
		Idle Current	A	≤ 3	2					
		Rated out 4 Ω	A	≤ 110	85	103	112	107	95	PT
		Rated out 2 Ω	A	≤ 210	158	200	231	225	203	PT
		Rated out 1 Ω	A	≤ 390	281	355	409	423	459	PT
		Rated out 0.5 Ω	A	PT RANGE	PT	PT	PT	PT	PT	PT
		BRG out 4 Ω	A	≤ 420	295	370	430	430	417	PT
BRG out 2 Ω	A	≤ 780	530	670	760	800	860	PT		
BRG out 1 Ω	A	PT RANGE	PT	PT	PT	PT	PT	PT		
5	THD Continuous	4 Ω, 100Hz	%	1	0,2					
5	EFFICIENCY	4 Ω, 100Hz	%	75	94					
6	S/N Ratio	4 Ω, 100Hz	dB	> 70	95					
7	Input Sensitivity (Min-Max)	4 Ω, 100Hz	V	5	5					
		RMS Power	mV	200	0,15					
8	Input Impedance		kΩ	20	20					
9	Lowpass Filter	-3dB	Hz	30	43					
			Hz	250	240					
10	Subsonic Filter	-3dB	Hz	10	13					
			Hz	60	71					
12	Bass Boost Freq.	Frequency	Hz	45	45					
	Bass Boost Gain	Gain	dB	0	0					
			dB	12	12					
13	Phase Shift	at 100 Hz	°	0 ~ 180	0-180					
14	Damping Factor	4 Ω, 100Hz 10W		> 150	192					
18	Protection	Thermal		≤ 70	71					
		Short Protection			OK					
19	Dimension	Width	mm		230					
		Length	mm		600					
		Height	mm		58,2					