

CERTIFICATE OF PERFORMANCE VERIFICATION



Model #: **P500X1BD** Serial #: **0000263387-53** Birth Date: **05/28/2013** Test System: **RF-RATS-1**

SYSTEM OPERATION	Idle Current Measure Current Draw at Idle					System Voltage Check System Reference Voltages								
	A PASS					V1 3.112 V2 5.018								
	Bias Set Output Channel Bias					High Rail Voltage Check Amplifier Rail Voltages								
	CH1	N/A	CH2	N/A	CH3	N/A	CH4	N/A	V1	49.19	V2	N/A	V3	N/A
	DC Offset Check for No DC Voltage on Outputs					Low Rail Voltage Check Amplifier Rail Voltages								
CH1	.016	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A	V1	16.09	V2	-16.24	
Dark Current Current Draw < 100uA					Gain Tracking Check Gain Tracking Between Channels (dB)									
A PASS					CH1	N/A	CH2	N/A	CH3	N/A	CH4	N/A		

SIGNAL	Frequency Response 20Hz-20kHz Sweep @ 1W RMS					High Pass Crossover Check 20Hz-20kHz Sweep @ 1W RMS														
	CH1	PASS	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A	CH1	PASS	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A
	Remote Level & 2/4/5 Ch. Select Check 20Hz-20kHz Sweep @ 1W RMS					Low Pass Crossover & Punch EQ Check 20Hz-20kHz Sweep @ 1W RMS														
	CH1	PASS	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A	CH1	PASS	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A
	Common Mode Rejection Rated 20Hz-20kHz Sweep @ 1W RMS					Channel Separation from Left to Right 20Hz-20kHz Sweep @ Rated RMS Power														
	CH1	PASS	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A	CH1	PASS	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A
Signal to Noise Ratio 20Hz-20kHz Sweep @ Rated RMS Power					Total Harmonic Distortion 20Hz-20kHz Sweep @ 1W RMS (%)															
CH1	PASS	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A	CH1	0.086	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A	
Input Sensitivity Check Sensitivity @ Minimum					Total Harmonic Distortion Rated (%) 20Hz-20kHz Sweep @ Rated RMS Power															
CH1	PASS	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A	CH1	0.134	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A	

RELIABILITY	Short Protect Short All Channels Sequentially @ 1% THD					Thermal Test Thermistor Voltage Check														
	CH1	PASS	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A	TH1	0.425	TH2	N/A	TH3	N/A	TH4	N/A	TH5	N/A
	Burn-In Amplifier Accelerated Life Monitor (45 sec. @ 1% THD)																			
CH	PASS	TH	PASS	V	PASS	BIAS	PASS	IR	PASS											

POWER	Channel Power Individual Channel Power @ 1% THD @1 Ω					Total Power Total RMS Power @ 1% THD									
	CH1	782	CH2	N/A	CH3	N/A	CH4	N/A	CH5	N/A	782 watts				
	Total Power Total RMS Power @ Each Impedance @ 1% THD														
4Ω	297	2Ω	507	1Ω	782	2/1Ω	N/A								

ALL Rockford Fosgate amplifiers are designed, developed, manufactured and tested in accordance with the CEA-2006 amplifier rating requirements. All tests conducted at 14.4Vdc, Min. Impedance, 1kHz(ab/ad) or 100Hz (bd) unless otherwise stated.
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