

# CERTIFICATE OF PERFORMANCE VERIFICATION



<b>Model #:</b>	76001184	<b>Serial #:</b>	6310014984-71	<b>Birth Date:</b>	06/10/2024	<b>Test System:</b>	RF-RATS-11
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SYSTEM OPERATION	<b>Idle Current</b> Measure Current Draw at Idle					<b>System Voltage</b> Check System Reference Voltages				
	A <b>PASS</b>					V1 <b>4.98</b> V2 <b>N/A</b>				
	<b>Bias</b> Set Output Channel Bias					<b>High Rail Voltage</b> Check Amplifier Rail Voltages				
	CH1 <b>N/A</b> CH2 <b>N/A</b> CH3 <b>N/A</b> CH4 <b>N/A</b>					V1 <b>36.22</b> V2 <b>-36.10</b> V3 <b>N/A</b>				
	<b>DC Offset</b> Check for No DC Voltage on Outputs					<b>Low Rail Voltage</b> Check Amplifier Rail Voltages				
	CH1 <b>0.007</b> CH2 <b>0.005</b> CH3 <b>0.006</b> CH4 <b>0.003</b> CH5 <b>N/A</b>					V1 <b>7.15</b> V2 <b>-7.12</b>				
SYSTEM OPERATION	<b>Dark Current</b> Current Draw < 100uA					<b>Gain Tracking</b> Check Gain Tracking Between Channels (dB)				
	A <b>29uA</b>					CH1 <b>0.003</b> CH2 <b>0.003</b> CH3 <b>0.001</b> CH4 <b>0.001</b>				

SIGNAL	<b>Common Mode Rejection</b> 20Hz-20kHz Sweep @ 1W RMS Power					<b>Signal to Noise Ratio Rated</b> 20Hz-20kHz Sweep @ Rated RMS Power				
	CH1 <b>N/A</b> CH2 <b>N/A</b> CH3 <b>N/A</b> CH4 <b>N/A</b> CH5 <b>N/A</b>					CH1 <b>PASS</b> CH2 <b>PASS</b> CH3 <b>PASS</b> CH4 <b>PASS</b> CH5 <b>N/A</b>				
	<b>High Pass Crossover Check</b> 20Hz-20kHz Sweep @ 1W RMS Power					<b>Low Pass Crossover &amp; Punch EQ Check</b> 20Hz-20kHz Sweep @ 1W RMS Power				
	CH1 <b>N/A</b> CH2 <b>N/A</b> CH3 <b>N/A</b> CH4 <b>N/A</b> CH5 <b>N/A</b>					CH1 <b>N/A</b> CH2 <b>N/A</b> CH3 <b>N/A</b> CH4 <b>N/A</b> CH5 <b>N/A</b>				
SIGNAL	<b>Total Harmonic Distortion</b> 20Hz-20kHz Sweep @ 1W RMS Power (%)					<b>Total Harmonic Distortion @ Rated</b> 20Hz-20kHz Sweep @ Rated RMS Power (%)				
	CH1 <b>.253</b> CH2 <b>.244</b> CH3 <b>.209</b> CH4 <b>.208</b> CH5 <b>N/A</b>					CH1 <b>.058</b> CH2 <b>.067</b> CH3 <b>.065</b> CH4 <b>.064</b> CH5 <b>N/A</b>				

POWER	<b>Continuous Power</b> RMS Power @ 1% THD (1kHz Full Range/100Hz Sub)					<b>Total Continuous Power</b> Total RMS Power @ 1% THD				
	CH1 <b>134</b> CH2 <b>134</b> CH3 <b>133</b> CH4 <b>133</b> CH5 <b>N/A</b>					534				
	<b>Continuous Power Load Impedance</b>									
CH1 <b>4-Ohm</b> CH2 <b>4-Ohm</b> CH3 <b>4-Ohm</b> CH4 <b>4-Ohm</b> CH5 <b>N/A</b>										

**RMS**

**What is Dynamic RMS Power?** The Dynamic power rating specifies the amount of power the amplifier is capable of delivering to the speaker while playing music.

**What is Continuous RMS Power?** The continuous power rating specifies the amount of power the amplifier is capable of delivering to a resistive load playing sine waves continuously until 1% THD has been achieved.

**Why is Dynamic RMS Power Important?** Both dynamic and continuous power ratings are derived from the industry leading testing standard CTA-2006-B, "Testing & Measurements Methods for Mobile Audio Amplifiers." Dynamic power ratings have been provided to show the true real-world output power capability of the amplifier. Both are RMS power ratings and should not be confused with peak power ratings.

**How does Dynamic differ from Peak Power?** Dynamic power is considered usable amplifier power, while peak power is not considered usable due to the very limited amount of time peak power presents itself to the speaker. Although peak ratings are a larger number when compared to RMS, peak power does not represent the amplifiers true usable output power capability. For this reason, Rockford Fosgate does not advertise peak power ratings.

**CTA**

**What is the CTA testing standard?** ANSI/CTA-2006-C defines characteristics that, considered collectively, describe the performance of Power Amplifiers designed for In-Vehicle applications. Power Amplifiers designed for In-Vehicle applications include, but are not limited to; separate single and multi-channel amplifiers, Integrated Amplifiers and bandwidth-limited amplifiers that are connected to and rely solely on the vehicle's primary electrical system for power input and have output power ratings of greater than 5W when measured in accordance with ANSI/CTA-2006-C.

POWER	<b>Dynamic Power</b> RMS Power @ 1% THD					<b>Total Dynamic Power</b> Total RMS Power @ 1% THD				
	CH1 <b>208</b> CH2 <b>207</b> CH3 <b>207</b> CH4 <b>205</b> CH5 <b>N/A</b>					827				
	<b>Dynamic Power Load Impedance</b>									
CH1 <b>2-Ohm</b> CH2 <b>2-Ohm</b> CH3 <b>2-Ohm</b> CH4 <b>2-Ohm</b> CH5 <b>N/A</b>										

