

CERTIFICATE OF PERFORMANCE VERIFICATION



Model #:	76001131	Serial #:	6310041266-71	Birth Date:	03/10/2024	Test System:	RF-RATS-2
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SYSTEM OPERATION	Idle Current Measure Current Draw at Idle					System Voltage Check System Reference Voltages				
	A PASS					V1 4.99 V2 N/A				
	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 24.11 V2 -24.05 V3 N/A				
	DC Offset Check for No DC Voltage on Outputs					Low Rail Voltage Check Amplifier Rail Voltages				
	CH1 0.006 CH2 0.003 CH3 0.002 CH4 0.005 CH5 N/A					V1 7.26 V2 -7.23				
SYSTEM OPERATION	Dark Current Current Draw < 100uA					Gain Tracking Check Gain Tracking Between Channels (dB)				
	A 26uA					CH1 0.003 CH2 0.003 CH3 0.001 CH4 0.001				

SIGNAL	Common Mode Rejection 20Hz-20kHz Sweep @ 1W RMS Power					Signal to Noise Ratio Rated 20Hz-20kHz Sweep @ Rated RMS Power				
	CH1 N/A CH2 N/A CH3 N/A CH4 N/A CH5 N/A					CH1 PASS CH2 PASS CH3 PASS CH4 PASS CH5 N/A				
	High Pass Crossover Check 20Hz-20kHz Sweep @ 1W RMS Power					Low Pass Crossover & Punch EQ Check 20Hz-20kHz Sweep @ 1W RMS Power				
	CH1 N/A CH2 N/A CH3 N/A CH4 N/A CH5 N/A					CH1 N/A CH2 N/A CH3 N/A CH4 N/A CH5 N/A				
SIGNAL	Total Harmonic Distortion 20Hz-20kHz Sweep @ 1W RMS Power (%)					Total Harmonic Distortion @ Rated 20Hz-20kHz Sweep @ Rated RMS Power (%)				
	CH1 .185 CH2 .159 CH3 .213 CH4 .199 CH5 N/A					CH1 .025 CH2 .021 CH3 .021 CH4 .026 CH5 N/A				

POWER	Continuous Power RMS Power @ 1% THD (1kHz Full Range/100Hz Sub)					Total Continuous Power Total RMS Power @ 1% THD				
	CH1 65 CH2 65 CH3 66 CH4 66 CH5 N/A					262				
	Continuous Power Load Impedance									
CH1 4-Ohm CH2 4-Ohm CH3 4-Ohm CH4 4-Ohm CH5 N/A										

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	Dynamic Power RMS Power @ 1% THD					Total Dynamic Power Total RMS Power @ 1% THD				
	CH1 104 CH2 105 CH3 104 CH4 106 CH5 N/A					419				
	Dynamic Power Load Impedance									
CH1 2-Ohm CH2 2-Ohm CH3 2-Ohm CH4 2-Ohm CH5 N/A										

