

# STANDARD TEST FILES

MODEL: R-5000		Channel	1
FULL RANGE CLASS D DESIGN SPECIFICATIONS			
No.	Test items	Test Conditions	Test Result
1	Output Power	4Ohm RMS POWER 1KHz 14.4 VDC With Less Than 1% THD+N	1681W
		2 Ohm RMS POWER 1KHz 14.4 VDC With Less Than 1% THD+N	2964W
		1Ohm RMS POWER 1KHz 14.4 VDC With Less Than 1% THD+N	5000W
2	Max Input Current	4 Ohm RMS POWER 1KHz 14.4 VDC With Less Than 1% THD+N	130A
		2 Ohm RMS POWER 1KHz 14.4 VDC With Less Than 1% THD+N	238A
		1 Ohm RMS POWER 1KHz 14.4 VDC With Less Than 1% THD+N	445A
3	Amplifier Efficiency	Into 4Ohm Load at Max. Power	89.80%
		Into 2Ohm Load at Max. Power	86.49%
		Into 1Ohm Load at Max. Power	78.03%
4	THD+N	At Rated Power into 4Ohms 1KHz	≤0.5%
5	Signal to Noise Ratio	RATED POWER 4ohm 1KHz (Level at Max. Boost&CrossoverSW.off) A-Weighted filter	>50dB
6	Frequency Response	1w/4Ω1Khz=0db/-3db (Sens at max, boost 0&CrossoverSW.off)	20-20KHz
7	Low Pass Filter	Input current:10A RL=4Ω	80-20KHz
8	High Pass Filter	Input current:10A RL=4Ω	15-80Hz
9	Bass Boost Level	RL=4Ω/fo=45Hz	0-12dB
10	Input Sensitivity Level	RL=4Ω/f=1KHz/THD=1%	200mv(0.2-6V)
11	Supply Voltage Range	RL=4Ω/f=1KHz/THD=1%	8-16VDC
12	Protect Time	RL=1Ω/f=1KHz/THD=1% Input current: 150A	5minutes and 02 seconds
13	Recover Time	RL=1Ω/f=1KHz/THD=1% Input current: 150A	49seconds
14	Protection Temperature	RL=2Ω/f=1KHz/THD=1%	84°C
15	Recover Temperature	RL=2Ω/f=1KHz/THD=1%	76°C
16	Short Protection	RL=2Ω/f=1KHz/THD=1%	Yes
17	PCB Copper	Copper base plated weight	1.5 Oz
18	Output Power Devices	Power Transistor Package	TO-220
19	Component & PCB	SMD&Double Side	Yes