

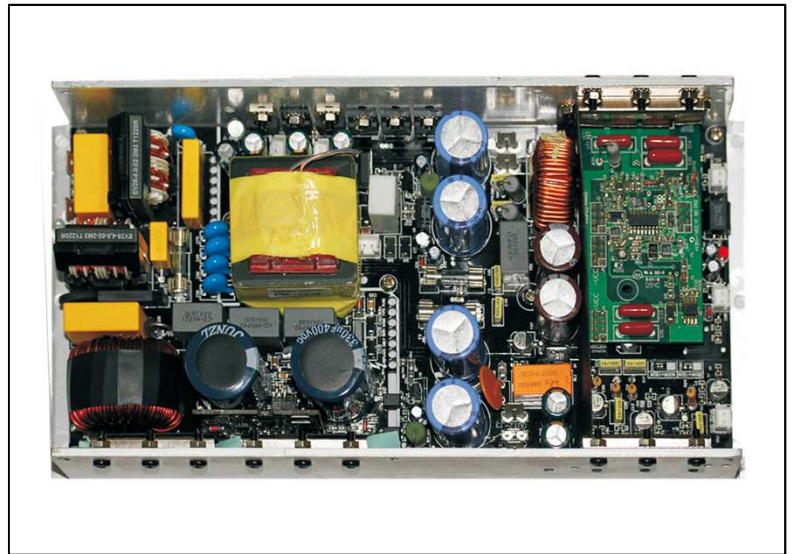


DM-600W+150W PFC Class-D Amplifier Module

Features

- 600W + 150W
- Class-D
- PFC (Power Factor Correction)

DM-600W+150W PFC is a 2 channel amplifier module of 600W + 150W. This module, used in some active speakers of the brand, is also available as component for other manufacturers. Based on Class-D and Class-AB architecture DM-600W+150W PFC uses a switched-mode power supply equipped with a PFC (Power Factor Correction) circuit improving the energy efficiency. DM modules are light compact and very reliable. They feature thermal, short-circuit and overload output protection. The temperature can be controlled via a 12V DC output connected to a fan. Over voltage protection and DC offset shutdown are also available.



Specifications

MODEL	DM-600W+150W	
General	CH1	CLASS-D Amplifier
	CH2	CLASS-AB with LM3886 BRI
Power Requirements	AC~110-240V 50/60Hz / 5AH	
Auxiliary Supply (Option)	DC +/-12V @ 0.5A / DC +12V @ 0.3A	
Weight	1.1 kg (2.43 lbs)	
Dimension (W x D x H)	216 x 126 x 70 mm (8.5" x 4.96" x 2.76")	
Audio Section	Class-D Amplifier	
	Slew rate (8Ω)	1.5V/μs
	S/N Ratio	>95dB/A
	Distortion	<0.1% (THD, DIM. SMPTE)
	Inputs	Unbalanced to ground
	Impedance	10kΩ
	Gain	26 - 32dB
	Output	Unbalanced to ground
	Bandwidth	15Hz~20kHz
	Damping factor (8Ω)	>400 (100Hz) / >180 (1kHz)
Power Specifications (230Vrms or 120Vrms mains voltage, A-WTD, THD=1%)	4Ω Load	650W + **W RMS (**: LM3886 BRI does not work with 4Ω loads)
	8Ω Load	650W + **W EIAJ
		360W + 120W RMS
Function	360W + 150W EIAJ	
	Thermal protection (over-temperature power limited, thermal shutdown)	
	Short-circuit / overload output protection	
	Temperature controlled 12V DC fan output	
	Over voltage protection DC offset shutdown	

Specifications subject to modification without notice

Integration in the back plate of an active speaker



DM module with fan cover

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