



DM-300W+150Wx2 PFC Class-D Amplifier Module

Features

- 300W + 150Wx2 RMS
- Class-D
- PFC (Power Factor Correction)

DM-300W+150Wx2 PCF is a 3 channel amplifier module of 300W + 2x 150W /4Ω RMS. This module, used in some product of the brand, is also available as component for other manufacturers. Based on Class-D architecture, the module uses a switched-mode power supply equipped with a PFC (Power Factor Correction) circuit improving the energy efficiency. Light, compact and very reliable, DM amplifiers 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-300W+150Wx2 PFC		
General	CH1	CLASS-D Amplifier	
	CH2	CLASS-AB with TDA7294	
Power Requirements	Main Voltage:	AC~110-240V +/-10% 50/60Hz / 4.0AH	
	Applicable Mains Voltage :	AC~100-264V	
Auxiliary Supply	DC +/-12 @ 0.3A + 5V @ 0.3A		
Weight	1.2 kg (2.65 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	<0.05% (THD. DIM. SMPTE)	
	Inputs	Unbalanced to ground	
	Impedance	10k Ω	
	Gain	33dB	
	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	(RMS) All channel Drive: 200W x 3 (EIAJ) All channel Drive: 250W x 3	One channel Drive: 300W One channel Drive: 350W
	8Ω Load	(RMS) All channel Drive: 150W x 3 (EIAJ) All channel Drive: 250W x 3	One channel Drive: 200W One channel Drive: 250W
Function	Thermal protection (over-temperature power limited, thermal shutdown)		
	Short-circuit / overload output protection		
	Temperature controlled 12V DC fan output		

Specifications subject to modification without notice



DM module with the fan cover