

## ATA-M Series Power Amplifier

Maximum output voltage 690Vrms  
 Output power 800VA  
 Bandwidth (-3dB) 10kHz-500kHz  
 Overcurrent protection

### Monitor

Output current monitor: 100mV/A  
 Output voltage monitor: 10mV/V  
 The output monitoring port is BNC connector, and the probe can be connected to the oscilloscope for real-time monitoring.



### Introduction

ATA-M series is the ideal single channel amplifier which can drive 0~100% resistive or non-resistive load. The output impedance can be matched with multiple taps, which can be adjusted by customers according to test requirements.

Model	ATA-M2	ATA-M4	ATA-M8
Bandwidth (-3dB)	10kHz~500kHz	10kHz~500kHz	10kHz~500kHz
Maximum output voltage	175Vrms	345Vrms	690Vrms
Maximum output power	200VA	400VA	800VA
Input voltage at full amplitude output	1Vrms		
Input resistance	10kΩ		
Current monitor	100mV/A		
Voltage monitor	10mV/V		
Output connector	circular power connectors		
Protection	Overcurrent protection, over temperature protection		
Signal ground	It is connected with the grounding of the shell and the power line		
Supply voltage	AC110~240V, 50/60Hz		
Operating temperature	0°C~45°C		
Storage temperature	-20°C~50°C		
Humidity	≤80%RH, no condensation		

## Tap selection according to the output impedance

Model	Output impedance	Maximum output voltag	Maximum output current
M2	18Ω	60Vrms	3.33Arms
	36Ω	85Vrms	2.36Arms
	72Ω	120Vrms	1.67Arms
	153Ω	175Vrms	1.14Arms
M4	9Ω	60Vrms	6.67Arms
	18Ω	85Vrms	4.72Arms
	36Ω	120Vrms	3.33Arms
	77Ω	175Vrms	2.27Arms
	150Ω	245Vrms	1.63Arms
	298Ω	345Vrms	1.16Arms
M8	4.5Ω	60Vrms	13.33Arms
	9Ω	85Vrms	9.44Arms
	18Ω	120Vrms	6.67Arms
	38Ω	175Vrms	4.60Arms
	75Ω	245Vrms	3.27Arms
	149Ω	345Vrms	2.32Arms
	300Ω	490Vrms	1.63Arms
	595Ω	690Vrms	1.16Arms