

M1 CLASS-D AMPLIFIER 150W



- High efficiency Class-D direct drive amplifier
- Ultra low distortion <0.05%
- Compact design to fit perfectly in MCU2XXXXE
- Built-in comprehensive protection
- Support power save mode

Product Description

Amplification

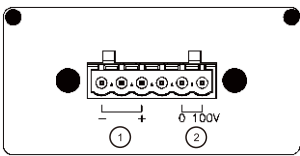
M1 is a Class-D amplifier provides 150W rated power. It applies direct drive technology which can provide better acoustic performance and higher efficiency. The output voltage is 100V. It can be managed by AGEND server or allows external audio inputs which makes it more adaptive to new configuration or retrofit project.

Advanced Function

M1 supports comprehensive protection and power save mode. In terms of protection, it has protection circuits: Short circuit protection, DC protection, under voltage protection, temperature protection, overload protection. During power save mode, the power consumption can be reduce to <0.5W.



Product Specification



- ① Audio Inputs (Differential / Single Channel)
- ② Loudspeaker Output (100V)



Balanced signal is preferable for M1 input. In interference exposure environment, shielded cable shall be applied. Maximum distance between audio sources and amplifier is 100 m.

Loudspeaker shall has 100V inputs and total impedance shall be at least 20% lower than rated power of amplifiers.

M1 is installed in MCU2XXXXE. Maximum 4 of M1 can be installed. When M1 is decentralized, it can be flush mounted on the wall by using M-C chamber.

Rated Power	150W
Power Consumption	<167W
I/O	1 X AUX Input (0.775V RMS)
Compatible Controller	MCU2XXXXE
Amplifier Output	70 Vp / 100 V
S/N	> 119 dB (A-weighted, 20 Hz - 20 kHz)
Frequency Response	20 Hz - 20 kHz (+0/-0.25 dB)
THD	< 0.05 % (20 Hz - 20 kHz, 3 dB below rated power)
Working Temperature	-5 °C - +55°C
Storage Temperature	-20 °C - +70°C
Humidity	< 90%