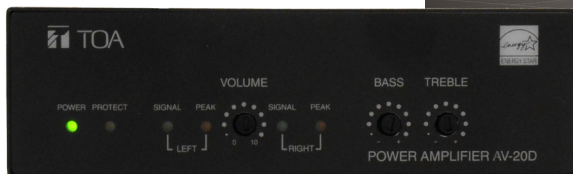
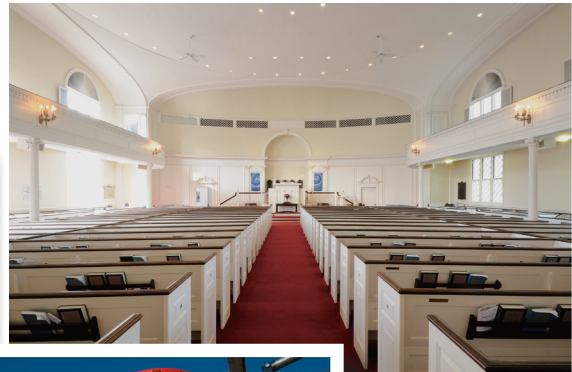




# MICRO AMPLIFIER AV-20D



***The AV-20D introduces a new standard in small amps for plenum use. With ultra-compact size, a flexible compliment of inputs & power configuration, control features and carrying both UL2043 & Energy Star 2.0 certification, the AV-20D is an ideal choice for corporate meeting rooms, POS/signage & kiosks or any place where space and placement limitations are a factor.***



## FEATURES

- Micro Class D amplifier for use in meeting/board rooms & signage applications
- UL 2043-rated for plenum installation
- Energy Star certified including Auto Off/Standby
- 20W x 2 @ 4 Ohms / 40W @ 8 Ohms in Bridge Mode
- Small size (approx. 6" x 6" x 1.75") allows convenient & flexible placement.
- L/R Line inputs via: removable Transformer-Balanced Terminal Block, 1/8" TRS mini-jack and RCA connections
- Bass & Treble Controls
- Input signal present (-20dB) and Peak LED indicators
- Clip Limiter prevents distortion due to overload.
- Remote Volume Control port for use with 10kOhm pot

## OPTIONS

- MB-AV20PM Metal Pole Mount Bracket



- MB-AV20RM Metal Rack Mount Kit (1 or 2 amplifiers are mountable in 1 unit)



- MB-DM820 Metal Desk-mount Bracket



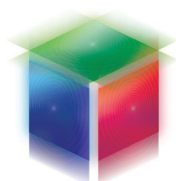
- MT-S0301 Matching Transformer

The MT-S0301 allows for a 30W @ 70V output by connecting to the bridge output of the AV-20D.



## AV-20D Micro Amplifier

Power Supply	AC100V-240V, 50Hz/60Hz; AC inlet on rear panel
Efficiency	More than 70% at rated output in all Channels
Power consumption	Less than 1W: in standby mode
	Less than 10W: with No Signal
	Less than 60W: at rated output in all Channels
Output	2 channel Speaker out:
	15W @8 Ohm per each Channel
	20W @4 Ohm per each Channel
	BTL: 40W @8Ohm
	Terminal: Removable terminal block(4P) (rear panel) Screw-Lock type Connector
Power Amplifier Type	Class D
Standard	UL2043 2008 Version, cULus Standard UL60065 7th Edition & CSA C22.2 NO.1-98, EnergyStar Version 2.0 Audio/Video specification, and FCC part15 class B
Protection	Thermal protection (auto recovery)
	Short circuit protection (auto recovery)
	Over current protection (auto recovery) DC protection
	Power source protection (Circuit Breaker)
Input	Line 1 : -10dBV/-20dBV (switchable), 10kOhm, removable terminal block(3P)x2, balanced (transformer isolated)
	Line 2 : -10dBV/-20dBV (switchable), 10kOhm, 3.5mm mini phone jack, unbalanced
	Line 3 : -10dBV/-20dBV (switchable), 10kOhm, RCA pin jack (red & white), unbalanced
Indication	Power LED (green) (front panel)
	Signal LED L/R Ch (greenx2) (front panel)
	Peak LED L/R Ch (redx2) (front panel)
	Protect LED (yellow) (front panel)
Ventilation	Normal air ventilation Fin or Mesh to apply for UL2043
Frequency Response	20Hz to 20kHz +-3dB
	(0dB = 1V, Reference = 1kHz)
THD+N	Less than 0.15% @ 1kHz, xW (with best THD)
S/N	More than 74dB (B.P. filter: 20Hz-20kHz, or a-weight)
Temperature Range (Operation)	-10 degree to +40 degree C
Dimension	150mm L x 45mm H x 150mm D (H should fit for EIA Rack)
Case	Black metal case



Human Society with  
Sound & Communication

TOA Electronics, Inc.

[www.toaelectronics.com](http://www.toaelectronics.com)

Specifications subject to change without notice.