



# AV-20D & AV-60S-AM Micro Amplifiers



*The AV-20D & AV-60S-AM introduce 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 3.0 certification, TOA's Micro Amplifiers are an ideal choice for corporate meeting rooms, POS/signage & kiosks or any place where space and placement limitations are a factor.*

### AV-20D FRONT



### AV-20D REAR

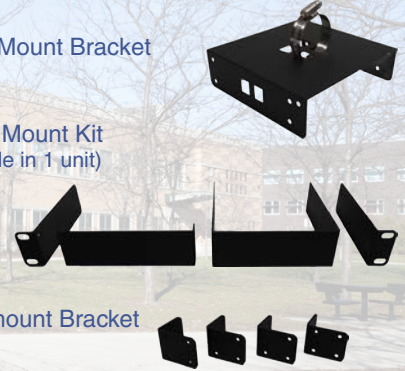


#### FEATURES

- 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
- AV-20D: 20W x 2 @ 4 Ohms / 40W @ 8 Ohms in Bridge Mode
- AV-60S-AM: 60W @ 4 Ohms / 60W @ 70V
- Small size (approx. 6" x 6" x 1.75") allows convenient & flexible placement.
- 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



	AV-20D	AV-60S-AM
Power Supply	AC100V-240V, 50Hz/60Hz; AC inlet on rear panel	
Power consumption	Less than 1W: in standby mode Less than 10W: with No Signal Less than 60W: at rated output in all Channels	Less than 1W: power save mode; Less than 10W @ 70V, Less than 7W @ 4 Ohms: idle; Less than 85W @ 70V, Less than 110W @ 4 Ohms: rated output
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	60W @ 4 Ohms, 60W @ 70V Speaker output, removable terminal block (2P)
Power Amplifier Type	Class D	
Standard	UL2043 2008 Version, cULus Standard UL60065 7th Edition & CSA C22.2 NO.1-98, EnergyStar Version 3.0 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)	Thermal protection Over current protection
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	Line 1: -10/-20dB* (selectable), 10K Ohms, transformer-balanced, removable terminal block (3P)x2 Line 2: -10/-20dB* (selectable), 10K Ohms, unbalanced, 3.5mm stereo jack Line 3: -10/-20dB* (selectable), 10K Ohms, unbalanced, RCA jacks
Indication	Power LED (green) Signal LED L/R Ch (green x2) Peak LED L/R Ch (red x2) Protect LED (yellow)	Power LED (green) Signal LED (green) Peak LED (red) Protect LED (yellow)
Ventilation	Normal air ventilation Fin or Mesh to apply for UL2043	
Frequency Response	20Hz to 20kHz +-3dB (0dB = 1V, Reference = 1kHz)	4 Ohms mode: 20Hz to 20KHz ±3dB 70V mode: 60Hz to 20KHz ±3dB (Line1 input with transformer: 100Hz to 20KHz)
THD+N	Less than 0.15%	
S/N	More than 74dB (B.P. filter: 20Hz-20kHz, or a-weight)	-
Tone Control	Bass: ±10dB at 100Hz, Treble: ±10dB at 10KHz	
Controls	Master volume control, Remote volume control, Base/Treble tone control, Bridge ON/OFF switch, Mono/Stereo switch, Input sensitivity switch (Line1, Line2, Line3)	Master volume control, Remote volume control, Base/Treble tone control, 70V/4ohm switch, Input sensitivity switch (Line1, Line2, Line3)
Temperature Range (Operation)	-10 to +40°C	
Dimension	150 (w) x 44 (h) x 156 (d) mm (5.90" x 1.73" x 6.14")	
Case	Black metal case	