

Specifications — MPA 122

Audio

Frequency response	20 Hz to 20 kHz, ± 1 dB @ 1 watt output
THD + Noise	0.1% @ 1 kHz at nominal level (1 watt, 8 ohm load)
S/N.....	>74 dB @ 20 Hz to 20 kHz at maximum output (unweighted, with balanced input)
Stereo channel separation	>55 dB @ 1 kHz, >45 dB @ 20 kHz
CMRR.....	80 dB @ 1 kHz, 70 dB @ 20 kHz
Bass adjustment.....	± 10 dB @ 80 Hz (reference) to 1 kHz (2 dB tolerance)
Treble adjustment.....	± 10 dB @ 10 kHz (reference) to 1 kHz (2 dB tolerance)

Audio input

Number/signal type.....	1 stereo, balanced/unbalanced input 2 stereo, unbalanced inputs (The three inputs are individually buffered and mixed together.)
Connectors	(1) 3.5 mm captive screw connector, 5 pole (main input) (1) 3.5 mm mini audio jack (tip, ring, sleeve) 1 pair RCA
Impedance.....	>18k ohms unbalanced, >24k ohms balanced, DC coupled
Nominal level	+4 dBu (1.23 Vrms) balanced or -10 dBV (316 mVrms) unbalanced
Maximum level	
Level pot. at 10 o'clock.....	+6 dBV (unbalanced), +16 dBu (balanced) at 1% THD+N
Level pot. at 9 o'clock.....	+17 dBV (unbalanced), +27 dBu (balanced) at 1% THD+N
Input level sensitivity	-18 dBV from unbalanced input for maximum output (11 watts with a 4 ohm load and level set to maximum) before clipping

NOTE 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV \approx 2 dBu

Audio output

Number/signal type.....	1 stereo or 2 mono (2 channels total)
Connectors	(1) 5 mm captive screw connector, 4 pole
Minimum load impedance	4 ohms
Amplifier type	Improved Class D
Continuous power with a full load and 1% THD	
At 4 ohms	11 watts (rms) per channel
At 8 ohms	7 watts (rms) per channel
Damping factor.....	>30 (with a 4 ohm load)

Control/remote — amplifier

Control port.....	(1) 3.5 mm captive screw connector, 3 pole
Pin configuration.....	Pin 1 = +10 VDC, pin 2 = volume/mute (variable voltage), pin 3 = GND
Volume control voltage range	0 V (mute) to 10 V (maximum volume)

General

External power supply	100 VAC to 240 VAC, 50/60 Hz, external; to 12 VDC, 3 A (max.), regulated
Power input requirements	12 VDC, up to 3 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, vents on top and sides
Mounting	
Rack mount	Yes, with optional 1U, 9.5" deep rack shelf (RSU 129, #60-190-01, or RSB 129, 60-604-01); 1U, 6" deep rack shelf (RSU 126, #60-190-10, or RSB 126, 60-604-10); or VersaTools® 1U, 3.5" deep rack shelf (RSF 123, #60-190-20, or RSB 123, 60-604-20)

Specifications — MPA 122, cont'd

Furniture mount.....	Yes, with optional VersaTools® MBU 123 mini under desk mounting kit, part #70-212-01
Pole mount.....	Above-projector mountable with optional PMK 300 Multi-Product Projector Mounting Kit, part #70-374-01
Enclosure type	Metal
Enclosure dimensions.....	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) (4.3 cm H x 10.9 cm W x 7.6 cm D) (Depth excludes connectors.)
Product weight	0.6 lbs (0.3 kg)
Shipping weight	3 lbs (2 kg)
Vibration.....	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety.....	CE, CUL, UL UL rated for use in plenum airspaces: meets UL 2043 for heat and smoke release, excluding the power supply; meets UL 60950 and UL 60065 for safety.
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI,
Warranty.....	3 years parts and labor

NOTE All nominal levels are at $\pm 10\%$

NOTE Specifications are subject to change without notice.

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