

Specifications

MPA 601-70V and 100V

Audio

Voltage gain

MPA 601-70V

RCA and TRS inputs..... 222x (47 dB)

Captive screw input 57x (35 dB)

MPA 601-100V

RCA and TRS inputs..... 317x (50 dB)

Captive screw input 81x (38 dB)

CMRR..... 75 dB (typical) @ 1kHz

Bass adjustment ± 10 dB @ 100 Hz

Treble adjustment..... ± 10 dB @ 10 kHz

Audio input

Number/signal type..... 1 stereo/mono, balanced/unbalanced input
2 stereo/mono, unbalanced inputs

(The three inputs are individually buffered and mixed together. Stereo signals are actively summed into a mono signal.)

Connectors..... (1) 3.5 mm captive screw connector, 5 pole (main input)
(1) 3.5 mm mini audio jack (tip, ring, sleeve)
1 pair of RCA

Impedance

RCA and TRS inputs >10k ohms unbalanced, DC coupled

Captive screw input..... >10k ohms unbalanced, 20k ohms balanced, DC coupled

Maximum level

RCA and TRS inputs +5 dBV, unbalanced, at 1% THD+N

Captive screw input..... +20 dBu, balanced, at 1% THD+N

Input sensitivity

RCA and TRS inputs -10 dBV if driven by one input
-16 dBV if both inputs are summed

Captive screw input..... +4 dBu if driven by one input
-2 dBu if both inputs are summed

Input signal detection threshold

RCA and TRS inputs -68 dBV ± 3 dB, unbalanced if driven by one input
-74 dBV ± 3 dB, unbalanced if both inputs are summed

Captive screw input..... -55 dBu ± 3 dB, balanced if driven by one input
-61 dBu ± 3 dB, unbalanced if both inputs are summed

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV = 2 dBu



(61) 3051-5800

<https://loja.rhox.com.br>

Audio output

Number/signal type	
MPA 601-70V	1 single channel (mono) 70V
MPA 601-100V	1 single channel (mono) 100V
Connector	(1) 5 mm screw lock captive screw connector, 2 pole
Load impedance	
MPA 601-70V	83 ohms minimum
MPA 601-100V	166 ohms minimum
Frequency response	80 Hz to 20 kHz, +1 dB/-3 dB, 1 watt
THD + Noise	< 0.1% @ 1 kHz, 3 dB below clipping
S/N	> 90 dB, 20 Hz to 20 kHz, unweighted
Damping factor	> 100
High pass filter	80 Hz, 12 dB/octave roll off
Amplifier type	Class D
Output power	
MPA 601-70V	60 watts (rms), 70V, 1 kHz, < 1% THD
MPA 601-100V	60 watts (rms), 100V, 1 kHz, < 1% THD

Control/remote – amplifier

Control port	(2) 3.5 mm captive screw connectors, 3 pole
Pin configuration	
DC volume control (analog).....	Pin 1 = +10 VDC (50 mA max), pin 2 = volume/mute control (variable voltage), pin 3 = GND
Volume control voltage range	0V (mute) to 10V (maximum volume)
Standby power control	Pin 1 = timer off, pin 2 = standby, pin 3 = GND

General

Power supply	External
	Input: 100-240 VAC, 50-60 Hz
	Output: 12 VDC, 3 A, 36 watts
Power consumption and thermal dissipation	
MPA 601-70V	

		115 VAC, 60Hz				230 VAC, 50Hz			
		AC Line Current	AC Power Consumed	Thermal Dissipation		AC Line Current	AC Power Consumed	Thermal Dissipation	
Condition		A	W	W	BTU/hr	A	W	W	BTU/hr
Active (1/8 power), all channels driven	70 V	0.3	14.8	7.3	25	0.3	15.7	8.2	28
	Quiescent (idle)	0.2	6.3	6.3	21	0.2	7.1	7.1	24
Standby		<0.1	<1	<1	<3	<0.1	<1	<1	<3

NOTE: Standby is triggered after 25 minutes (±5 minutes) with no signal

MPA 601-100V

		115 VAC, 60Hz				230 VAC, 50Hz			
		AC Line Current	AC Power Consumed	Thermal Dissipation		AC Line Current	AC Power Consumed	Thermal Dissipation	
Condition		A	W	W	BTU/hr	A	W	W	BTU/hr
Active (1/8 power), all channels driven	100 V	0.3	15.6	8.1	28	0.3	16.4	8.9	31
	Quiescent (idle)	0.2	6.7	6.7	23	0.2	7.6	7.6	26
Standby		<0.1	<1	<1	<3	<0.1	<1	<1	<3

NOTE: Standby is triggered after 25 minutes (±5 minutes) with no signal

- 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, no vents
- Mounting
 - Rack mount..... Yes, with optional 1U rack shelf or back of rack mounting kit
 - Furniture mount..... Yes, with optional under-desk mounting kit
 - Pole mount..... Yes, with optional pole mounting kit
- Enclosure type Metal
- Enclosure dimensions 1.7" H x 4.3" W x 6.0" D (1U high, quarter rack wide)
(4.3 cm H x 10.9 cm W x 15.2 cm D)
(Depth excludes connectors)
- Product weight 0.9 lbs (0.4 kg)
- Vibration ISTA 1A in carton (International Safe Transit Association)
- Regulatory compliance
 - Safety UL rated for use in plenum airspaces: meets UL 2043 for heat and smoke release, excluding the power supply; meets UL 60065 and IEC 60065 for AV equipment safety
CE, c-UL, UL
 - EMI/EMC..... CE, C-tick, FCC Class B, ICES Class B, VCCI, KC Mark
 - Environmental..... Complies with the appropriate requirements of CEC, ENERGY STAR® (ENERGY STAR® qualified amplifier), EU code of conduct, RoHS, WEEE
 - Warranty..... 3 years parts and labor

NOTE: All nominal levels are at ±10%

NOTE: Specifications are subject to change without notice

NOTE: Shipping weights and dimensions are available at www.extron.com.

071117-D4