

Specifications

XPA U 3502

Audio

Voltage Gain	43x (33 dB)
CMRR	75 dB @ 1 kHz (typical)

Audio Input

Number/Signal Type	2 balanced/unbalanced
Connectors	(2) 3-pin, 3.5 mm captive screw connectors
Impedance	>10 k Ω balanced/unbalanced, DC coupled
Nominal Level	+4 dBu, balanced
Maximum Level	+20 dBu, balanced
Input Sensitivity	
8 ohms	+4 dBu (1.23 Vrms)
4 ohms	+1 dBu (0.87 Vrms)
Input Signal Detection Threshold ...	-65 dBu \pm 3 dB, balanced

Audio Output

Output Number/Signal Type	2 channels, 8 ohms or 4 ohms
Connectors	(2) 2-pole, 5 mm screw lock captive screw connectors
Load Impedance.....	4 ohms minimum
Amplifier Type	Class D
Output Power	350 Watts per channel, 4 or 8 ohms, 1 kHz, 0.1% THD
Frequency Response	20 Hz to 20 kHz, \pm 1 dB
THD + Noise	0.1% @ 1 kHz at 3 dB below clipping
S/N	100 dB, 20 Hz - 20 kHz, unweighted
Damping Factor	>100 @ 8 ohms

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

Control/Remote

Control Port	(1) 3.5 mm captive screw, 5-pole (channel 1) (1) 3.5 mm captive screw, 3-pole (channel 2)
Pin Configuration	
DC volume control (analog)	Pin 1 = +10 VDC, 50 mA (max.) Pin 2 = volume/mute (variable voltage) Pin 3 = GND
Standby power control (Contact Closure)	Pin 4 = GND, Pin 5 = Standby

General

Power	100 VAC to 240 VAC, 50-60 Hz, internal
-------------	--

Specifications • XPA U 3502 (Continued)

Power Consumption and Thermal Dissipation

XPA U 3502		115 VAC, 60 Hz				230 VAC, 50 Hz			
		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	8 Ω	1.0	106.9	19.4	66	0.6	104.9	17.4	59
	4 Ω	1.0	110.9	23.4	80	0.6	108.8	21.3	73
Quiescent (idle)		0.1	7.8	7.8	27	0.1	7.6	7.6	26
Standby		<0.1	<1	<1	<3	<0.1	<1	<1	<3

Temperature/Humidity

Storage	-40 to +158 °F (-40 to +70 °C) / 10% to 90%, non-condensing
Operating	+32 to +122 °F (0 to +50 °C) / 10% to 90%, non-condensing
Cooling	Convection, no vents
Protection	Clip limiting, thermal, short circuit, DC output
Indication	Limiter/Protect LED indicates the onset of clip limiting, thermal cycling, or a short circuit Power LED indicates DC output protection (see the XPA U 3502 User Guide for details)
Rack Mount	Yes, with included brackets or optional rack shelf
Enclosure	Metal (Aluminum)
Enclosure Dimensions	1.7" H x 8.7" W x 10.5" D (1U high, half rack wide) 43 mm H x 220 mm W x 267 mm D
Product Weight	4.2 lbs (1.9 kg)
Vibration	ISTA 1A in carton (International Safe Transport Association)
Regulatory Compliance	
Safety	CE, C-tick, CUL, UL UL rated for use in plenum airspaces: meets UL 2043 and CAN/ULC_S142:16 for heat and smoke release; meets UL/IEC 6238-1 for AV Equipment
EMI/EMC	CE, C-tick, FCC Class B, ICES, VCCI Class B, CISPR 22 Class B
Environmental Compliance	ENERGY STAR® qualified amplifier, CEC, European Code of Conduct, RoHS
Warranty	3 years parts and labor EVERLAST power supply warranty .. 7 years parts and labor

NOTE: All nominal levels are ±10%.

NOTE: Specifications are subject to change without notice.

5390-D2