

Specifications

XPA U 758

Audio

Voltage Gain 20x (26 dB)
CMRR 75 dB @ 1 kHz (typical)

Audio Input

Number/Signal Type 8 balanced/unbalanced
Connectors (4) 3.5 mm captive connector, 5-pole
Impedance >10 kΩ 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 (0.71 Vrms)
Input signal detection threshold . -65 dBu +/-3 dB, balanced

Audio Output

Output Number/Signal Type 8 channels, 4 or 8 ohms
Connectors (4) 5 mm screw lock captive screw connector, 4-pole
Load impedance 4 ohms minimum
Amplifier type Class D
Output Power 75 Watts per channel, 8 ohms, 1 kHz, 0.1% THD
50 Watts per channel, 4 ohms, 1 kHz, 0.1% THD
Frequency Response 20 Hz to 20 kHz, +/- 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≈2 dBu

Control/Remote

Control port (1) 3.5 mm captive screw, 2-pole
Pin configuration
Standby power control Pin 1 = GND, Pin 2 = Standby (contact closure)

General

Power Supply 100 VAC to 240 VAC, 50-60 Hz, internal
Power consumption and thermal dissipation

XPA U 758	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	0.9	96.7	21.7	74	0.5	95.0	20.0	68
	4 Ω	0.7	72	22	75	0.4	70.7	20.7	71
Quiescent (idle)	0.1	9.6	9.6	33	0.1	9.4	9.4	32	
Standby	< 0.1	< 0.1	< 1	< 1	< 3	< 0.1	< 1	< 1	

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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. Over Temp LED indicates when the amplifier exceeds the recommended operating temperature for optimal unit longevity. Power LED indicates DC output protection.
Rack mount.....	Yes, with included mounting brackets or optional rack shelf
Enclosure type.....	Metal (Aluminum)
Enclosure dimension.....	(1U high, half rack wide) 1.7" H x 8.7" W x 10.5"D 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 Transit Association)
Regulatory compliance	
Safety.....	CE, C-tick, CUL, UL UL rated for use in plenum airspaces; meets UL 2043 for heat and smoke release; meets UL 60065 and IEC 60065 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
Product warranty	3 years parts and labor
Everlast power supply	
warranty.....	7 years parts and labor

NOTE: All nominal level are at $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

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

4792-D2