

Specifications — ASA 111, ASA 121, ASA 131, ASA 141

Audio

Gain

- ASA 111, ASA 121 See the table below. Tested with an unbalanced output and a 20k ohm load.
 ASA 131 See the table below. Tested with a balanced output and a 20k ohm load.

Input Channel		Output
Left	Right	
signal	signal	-1 dB
signal	—*	-7 dB
—*	signal	-7 dB

* Tested with this input remaining connected.

- ASA 141 See the table below. Tested with a 20k ohm output load. Gain numbers are ± 2 dB.

Input Channel		Output Wiring	
Left	Right	Unbalanced	Balanced
0 dB	0 dB	+3 dB	-3 dB
0 dB	open	+3 dB	-3 dB
0 dB	50 ohms	-3 dB	-9 dB

Frequency response

- ASA 111, ASA 121, ASA 131
 20 Hz to 20 kHz, ± 0.05 dB
 ASA 141 with -10 dBV, +4 dBu, or +15 dBV input
 20 Hz to 20 kHz, -3 dB to +1 dB

THD + Noise

- ASA 111, ASA 121, ASA 131
 0.03% @ 20 Hz to 20 kHz at nominal level
 ASA 141
 -10 dBV input 0.05%, 1 kHz, $\leq 1\%$ from 40 Hz to 20 kHz
 +4 dBu input 0.05%, 1 kHz, $\leq 1\%$ from 50 Hz to 20 kHz
 +15 dBV input 0.05%, 1 kHz, $\leq 1\%$ from 80 Hz to 20 kHz
 S/N 130 dB at maximum output

Audio input

Number/signal type

- ASA 111, ASA 121, ASA 141
 1 stereo, unbalanced
 ASA 131 1 stereo, balanced

Connectors

- ASA 111 (1) 3.5 mm male stereo mini plug (tip-ring-sleeve)
 ASA 121, ASA 141 1 pair of male RCA (tip-ring)
 ASA 131 (1) 3.5 mm captive screw connector, 5-pole

Impedance

- ASA 111, ASA 121 22k ohms (with a 20k ohm unbalanced load, one input terminated);
 4k ohms (with a 20k ohm unbalanced load, both inputs terminated)
 ASA 131 24k ohms (with a 20k ohm balanced load, one input terminated);
 7k ohms (with a 20k ohm balanced load, both inputs terminated)
 ASA 141 5.4k ohms (with a 20k ohm balanced load, both inputs terminated)

Nominal level

- ASA 111, ASA 121 -10 dBV (316 mVrms)
 ASA 131 +4 dBu (1.23 Vrms)
 ASA 141 -10 dBV (316 mVrms) or +4 dBu (1.23 Vrms)

Maximum level

- ASA 111, ASA 121, ASA 131
 +24 dBu (12.3 V)
 ASA 141 +15 dBV (5.6 V)

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

Audio output

Number/signal type	
ASA 111, ASA 121	1 mono, unbalanced
ASA 131	1 mono, balanced
ASA 141	1 transformer, mono, balanced/unbalanced
Connectors	(1) 3.5 mm direct insertion captive screw connector, 3 pole
Impedance (with 50 ohm input impedance)	
ASA 111, ASA 121	1k ohms unbalanced
ASA 131	2k ohms balanced
ASA 141	3.3k ohms balanced (typical)
Nominal level	
ASA 111, ASA 121	-10 dBV (316 mV)
ASA 131	+4 dBu (1.23 V)
ASA 141	-10 dBV (316 mV) or +4 dBu (1.23 V)
Maximum level	
ASA 111, ASA 121	+24 dBu (12.3 V)
ASA 131	+24 dBu (12.3 V)
ASA 141	+15 dBV (5.6 V)

General

Power	Not powered
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
Rack mount	Can be attached to any flat surface with supplied Velcro®
Enclosure type	Molded plastic
Enclosure dimensions	
ASA 111, ASA 121, ASA 131	0.7" H x 0.7" W x 1.3" D 1.8 cm H x 1.7 cm W x 3.4 cm D (Depth excludes the 24 inch long pigtail for ASA 121 and the 24 inch long single cable for the ASA 111 and ASA 131.)
ASA 141	1.1" H x 1.1" W x 1.6" D 2.8 cm H x 2.8 cm W x 4.0 cm D (Depth excludes the 24 inch long pigtail.)
Product weight	0.2 lbs (0.1 kg)
Shipping weight	1 lb (1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
Warranty	3 years parts and labor

NOTE All nominal levels are at ±10%.

NOTE Specifications are subject to change without notice.

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