

AverLAB Hardware Specifications

ANALOG GENERATOR, BALANCED XLR

Output Impedance	50 Ohms
Output Level (max)	+26 dBu, 15.45 Vrms
THD+N, Typical	< -110 dB
THD+N, 20Hz – 22kHz, -10dBu to +26dBu, 22kHz BW	< -108 dB
SNR, Autoranging, 10Hz – 22kHz, +26dBu reference	> 145 dB
Residual Noise, 10Hz – 22kHz	< -119 dBu, < 0.8 uV
Crosstalk, 10Hz – 88kHz	< 145 dB
Frequency Response, 20Hz – 20kHz, ref. 1kHz	±0.01 dB
Frequency Response, 10Hz – 88kHz, ref. 1kHz	±0.03 dB

ANALOG GENERATOR, UNBALANCED BNC

Output Impedance	25 Ohms
Output Level (max)	+20 dBu, 7.75 Vrms
THD+N, Typical	< -110 dB
THD+N, 20Hz – 22kHz, -10dBu to +26dBu, 22kHz BW	< -108 dB
SNR, Autoranging, 10Hz – 22kHz, +20dBu reference	> 145 dB
Residual Noise, 10Hz – 22kHz	< -119 dBu, < 0.8 uV
Crosstalk, 10Hz – 88kHz	< 145 dB
Frequency Response, 20Hz – 20kHz, ref. 1kHz	±0.01 dB
Frequency Response, 10Hz – 88kHz, ref. 1kHz	±0.03 dB

ANALOG ANALYZER, BALANCED XLR

Input Impedance	100 kΩ 220 pF
Input Level (max)	+26 dBu, 15.45 Vrms
THD+N, Typical	< -112 dB
THD+N, 20Hz – 22kHz, -10dBu to +26dBu, 22kHz BW	< -110 dB
SNR, Autoranging, 10Hz – 22kHz, +26dBu reference	> 145 dB
Residual Noise, 10Hz – 22kHz	< -119 dBu, < 0.8 uV
Crosstalk, 10Hz – 88kHz	< 145 dB
Frequency Response, 20Hz – 20kHz, ref. 1kHz	±0.01 dB
Frequency Response, 10Hz – 88kHz, ref. 1kHz	±0.03 dB

ANALOG ANALYZER, UNBALANCED BNC

Input Impedance	100 kΩ 220 pF
Input Level (max)	+20 dBu, 7.75 Vrms
THD+N, Typical	< -112 dB
THD+N, 20Hz – 22kHz, -10dBu to +26dBu, 22kHz BW	< -110 dB
SNR, Autoranging, 10Hz – 22kHz, +26dBu reference	> 145 dB
Residual Noise, 10Hz – 22kHz	< -119 dBu, < 0.8 uV
Crosstalk, 10Hz – 88kHz	< 145 dB
Frequency Response, 20Hz – 20kHz, ref. 1kHz	±0.01 dB
Frequency Response, 10Hz – 88kHz, ref. 1kHz	±0.03 dB

DIGITAL GENERATOR/ANALYZER

Sample Rates (kHz)	44.1, 48, 88.2, 96, 176.4, 192
Jitter, RMS, 100Hz – 40kHz, typical	< 16 pS
Jitter, RMS, 100Hz – 40kHz	< 20 pS
Formats	AES/EBU, Optical S/PDIF (Toslink), Coax S/PDIF, ADAT
Input Voltage, Vp-p, AES/EBU	0.3 – 10
Input Voltage, Vp-p, Coax S/PDIF	0.3 – 10
Word Clock Frequency Lock Range	±6%
Word Clock Input Voltage, Vp-p	0.1 – 5
Word Clock Output Voltage, Vp-p, 75Ω Termination	3.5
Word Clock Output Voltage, Vp-p, unterminated	5

POWER SUPPLY

DC Supply Voltage, V, Center Positive	12 ±0.5
DC Supply Current, A, nominal	1.5
AC Power Supply	Inline Switching Supply, Efficiency Level VI
AC Input Voltage, VAC	100 – 240
AC Input Current, A, max	1
AC Input Frequency, Hz	47 – 63



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All specifications subject to change without notice.