

MOSCONI GLADEN DSP6TO8 AEROSPACE

Specifications



ANALOG INPUTS:	6 (RCA)
ANALOG OUTPUTS:	8 (RCA)
DIGITAL INPUTS:	1 coaxial (RCA), 1 optical (toslink), MOS-BTS (optional)
DIGITAL OUTPUTS:	1 optical (toslink)
NATIVE SAMPLE RATE:	96 KHz / 24-bit
DSP PERFORMANCE:	294.912 MHz, 32-bit SigmaDSP (ANALOG DEVICES) 3072 SIMD instructions per sample at 96 kHz ASRCs from 1:8 up to 7.75:1 ratio and 139 dB DNR
ADC PERFORMANCE:	Burr Brown 24-Bit 107 dB Dynamic Range -93 dB THD+N
DAC PERFORMANCE:	112 dB Dynamic Range -94 dB THD+N DAC Bias Differential voltage output
INPUT MODE:	Low Level (LL) / High Level (HL)
INPUT IMPEDANCE:	12Kohm (LL) / 47ohm (HL)
INPUT SENSITIVITY:	1.2Vrms ÷ 8Vrms (LL) / 3Vrms ÷ 20Vrms (HL)
INPUT REGULATION:	16.5dB ÷ 0dB
MAX OUTPUT SIGNAL:	8Vrms
OUTPUT IMPEDANCE:	600 ohm
HARDWARE MUTE:	yes
S/N RATIO:	>100dB "A" (typ. 105dB "A")
THD DISTORTION:	<0.003% @ 4Vrms
FREQUENCY RESPONSE:	10Hz ÷ 40KHz
CHANNEL SEPARATION:	>90dB (@ 100Hz)
CHANNEL SEPARATION:	>90dB (@ 1KHz)
CHANNEL SEPARATION:	>70dB (@ 10KHz)
SUPPLY VOLTAGE:	10V ÷ 16V (6V tolerant to sustain engine crank)
DC-DC CONVERTER:	Transformer coupled, Current-Mode, Flyback converter
CONVERSION FREQUENCY:	52KHz
AUTOSENSE:	OFF / BTL / SE
SEPARATE REMOTE OUT:	yes
REMOTE CURRENT:	100mA max (Internally limited)
COMMUNICATION:	USB, Optional: RCD/RC-MINI, MOS-BTM, MOS-BTS, RTC HUB