

MOSCONI GLADEN

DSP8TO12 AEROSPACE

Specifications



ANALOG INPUTS:	8 (RCA)
ANALOG OUTPUTS:	12 (RCA)
DIGITAL INPUTS:	1 coaxial (RCA), 1 optical (toslink), MOS-BTS (optional)
DIGITAL OUTPUTS:	1 optical (toslink)
NATIVE SAMPLE RATE:	192 KHz / 24-bit
DSP PERFORMANCE:	294.912 MHz, 32-bit SigmaDSP 1536 SIMD instructions per sample at 192 kHz ASRCs from 1:8 up to 7.75:1 ratio and 139 dB DNR Advanced Multi-bit Delta-Sigma Architecture 24-Bit Conversion 114 dB Dynamic Range -105 dB THD+N
ADC PERFORMANCE:	118 dB Dynamic Range -98 dB THD+N Differential voltage output
DAC PERFORMANCE:	Low Level (LL) / High Level (HL) 12Kohm (LL) / 47ohm (HL) 1.2Vrms ÷ 8Vrms (LL) / 3Vrms ÷ 20Vrms (HL) -16.5dB ÷ 0dB
INPUT MODE:	8Vrms
INPUT IMPEDANCE:	600 ohm
INPUT SENSITIVITY:	yes
INPUT REGULATION:	>102dB "A" (typ. 105dB "A")
MAX OUTPUT SIGNAL:	<0.003% @ 4Vrms
OUTPUT IMPEDANCE:	10Hz ÷ 63KHz
HARDWARE MUTE:	>90dB (@ 100Hz)
S/N RATIO:	>90dB (@ 1KHz)
THD DISTORTION:	>80dB (@ 10KHz)
FREQUENCY RESPONSE:	
CHANNEL SEPARATION:	
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SUPPLY VOLTAGE:	10V ÷ 16V (6V tolerant to sustain engine crank)
CURRENT CONSUMPTION:	0.9A @ 12V
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, RCD/RC-MINI (optional), MOS-BTM (optional).
MISCELLANEOUS:	Gold finishing PCB