

6081

A/D Analog Composite to 10-bit SDI



The 6081 provides analog-to-10-bit SDI conversion. The 6081 accepts NTSC, PAL and SECAM composite analog input signals and outputs 270 Mbit SDI SMPTE 259M. A 4- or 3-line comb or notch filter is externally selectable for Y/C separation in composite mode. Video input is 2X (8:4:4) oversampled. The 6081 incorporates a digital output de-jitter filter (VCXO) which reduces the 270 Mbit jitter down to 2Hz.

FEATURES

Composite NTSC, PAL or SECAM input

10-bit A to D

4 or 3-line adaptive comb filter for composite mode

Three 270 Mbit SDI outputs

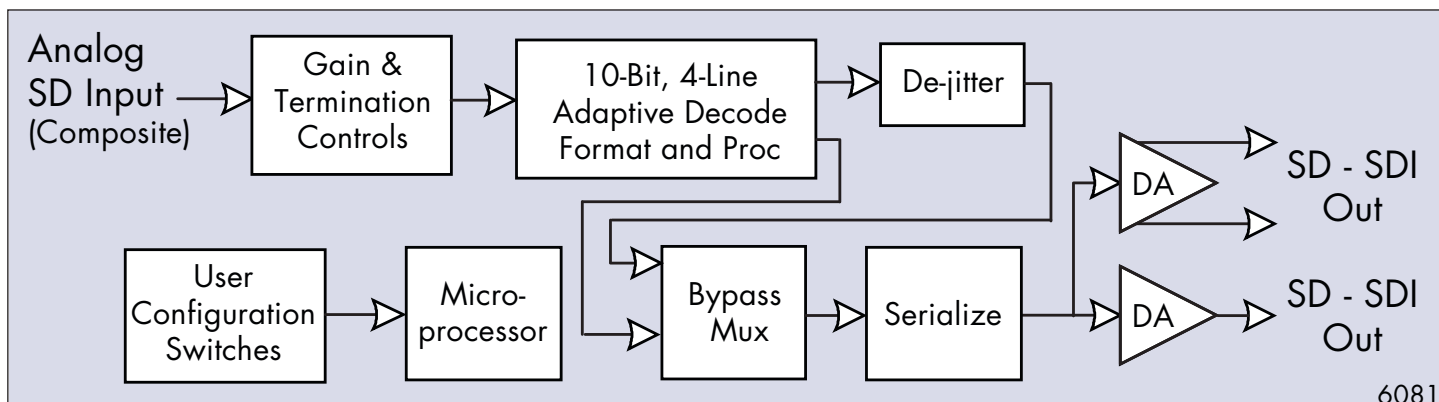
SDI de-jitter filter to 2Hz

Internal color bar generator

External user configuration switches

Fixed or automatic input gain control

Five year warranty



6081

SPECIFICATIONS

Input
Analog composite

Output
3-270 Mbit SDI SMPTE 259M-C

Gain
Auto or fixed

Output Jitter
< 0.15 UI measured with color bar input

A/D Process
8:4:4 2X over sampled

Frequency Response
0-5 MHz +/- 0.25 dB

K-2T
< 1 %

SNR
> 50 dB

Comb Filter
4 or 3-line adaptive - user selectable

Power
5 VDC @ 3.5 watts
Requires Power Supply PS4 or PS5

Size
3.7" x 2.75" x 0.75" (94 x 70 x 19 mm)

ORDERING INFORMATION

6081 Decoder/A to D Analog Composite 4 or 3 line Adaptive Comb Filter to 10-bit SDI w/De-Jitter Filter

PS4 Universal Power Supply, UL/CSA, Input: 100-240 60/50 Hz, Output: 5V 1.5A

PS5 Universal Power Supply, IEC Connector, CE/UL/CSA, Input: 100-240 60/50 Hz, Output: 5V 2A (International Power Supply. Specify country of destination.)