

DA-ASI6802+D

1x8, SD/ASI with Reclocking and Transformers

The DA-ASI6802+D is a 1x8 serial video distribution amplifier (DA) which meets the strictest requirements of SMPTE259ABC and DVB-ASI using transformers on all outputs for accurate non-inverting polarity. Because of its excellent signal transition performance, it is an ideal DA for ASI compliant distribution. You can set up, control, and monitor the DA-ASI6802+D either locally via a card-edge jumper or remotely on a PC. For remote control, you can use either a serial RS-232 or optional 6800+ETH Ethernet connection.

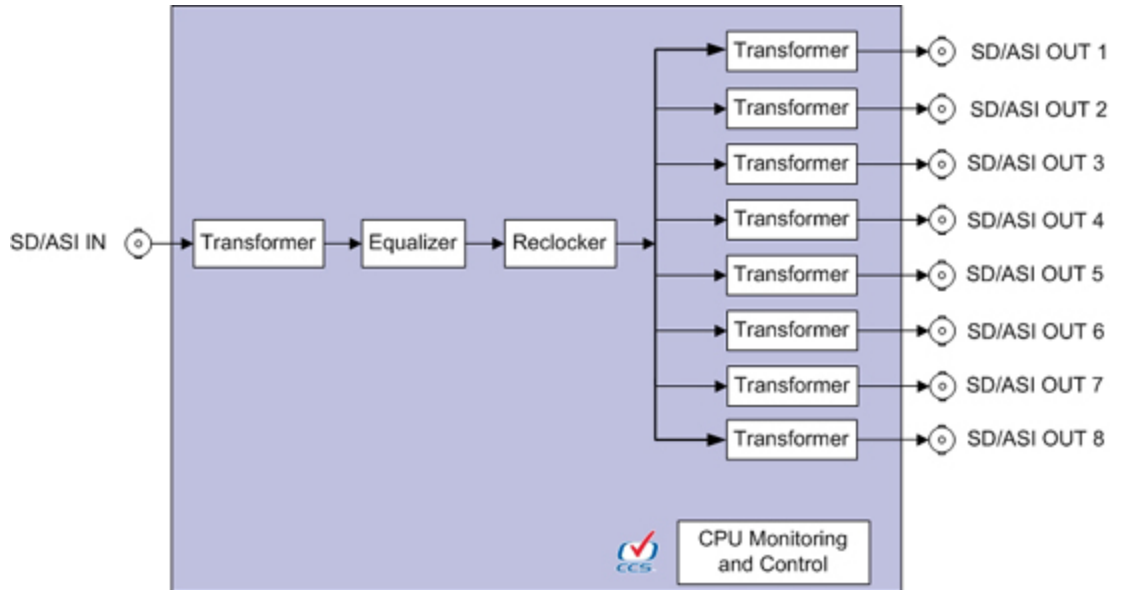
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FEATURES

- One input, eight outputs (dual-slot back module)
- Transformers on all outputs
- Identical polarity between the input and outputs
- Automatic cable equalization
- Automatic reclocking at 143, 177, 270 (SDI and ASI), and 360 Mb/s
- Automatic bypass if the signal is not able to be reclocked
- Enforce bypass
- Input signal detect
- Remote control by Harris CCS™ control system

IMAGES/DIAGRAMS

Block Diagram



Back Module



SPECIFICATIONS

Specifications and designs are subject to change without notice.

Inputs

Number of Inputs	1
Input Connector	BNC per IEC169-8
Signal Type	ASI, SDI
Impedance	75 ohms

Maximum Input Level	≥880 mV
Return Loss	Better than 18 dB (5 MHz to 270 MHz)
Cable Equalization	0 - 300 m Belden 1694A or equivalent

Outputs

Number of Outputs	8
Output Connector	75 ohms BNC per IEC 169-8
Output Coupling	Transformer
Signal Type	ASI, SDI
Impedance	75 ohms
Return Loss	Better than 18 dB (5 MHz to 270 MHz)
Output Amplitude	800 mV ±10%
DC Offset	0.0 V ±0.5 V

Performance

Jitter	<0.2 UI @ data rate tested
DC Offset	0.V ±0.5 V
Rise/Fall Time	400 ps - 850 ps
Overshot	<10%
Propagation Delay	4 ns
Power	<3.5 W

Temperature

Operating	32°F - 122°F (0°C - 50°C)
Performance	41°F - 104°F (5°C - 40°C)

ORDERING INFORMATION

DA-ASI6802+D	1x8 DA, SD/ASI with reclocking and transformers, two slots
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