

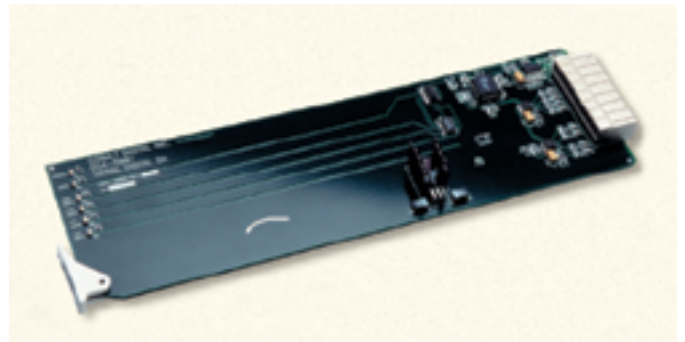
5002

Re-clocking Serial Digital Video Distribution Amplifier

The Cobalt 5002 is a high performance, card based reclocking serial distribution amplifier with eight outputs that is compatible with industry standard digital frames.

It accepts serial digital video, SMPTE 259 Serial Digital A, B, C and D digital rates of 143, 178, 270 and 360 Mbits. Card edge LED indicators show the received data rate, data lock and power presence.

The card's construction utilizes the latest serial digital chip sets, all surface mount technology and comes with a five year warranty.

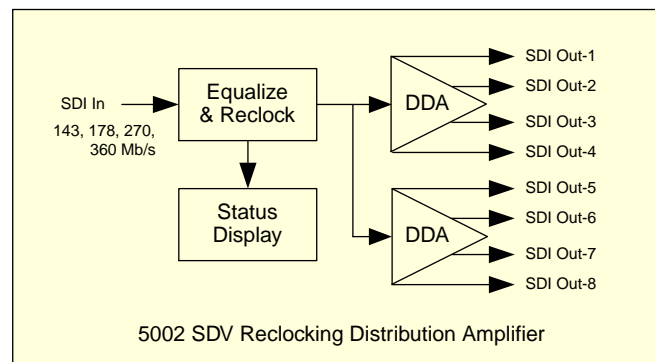
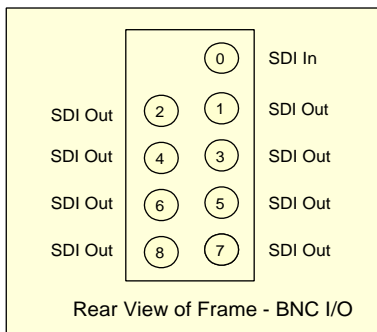


Features

- u Eight reclocked SDI outputs
- u Supports 360, 270, 178, 143 Mbit rates
- u Auto rate detect
- u Auto equalization to 1000 ft. (300 Meters) of 8281 at 270 Mbit
- u Data rate indicator
- u Input signal presence indicator
- u SDI input and output return loss > 15 dB
- u Low Power: 2W positive rail
- u Cost-effective, high performance solution
- u Five year warranty

Specifications

Input	Signal Type 525 or 625 SMPTE 259-A,B,C,D 4:2:2 Serial Digital Video
Equalization	Auto to 1000' (300M) Belden 1694
Return Loss	> 18 dB at 270 Mbit
Termination	75 ohms located on PCB
Output	Eight SDI
Level	800 mV +/- 10%
Return Loss	> 15 dB at 270 Mbit
Relocking	Yes
Power	Positive Rail 2 Watts Negative Rail 0 Watts
Temp. Range	40-140°F (4.4-60°C) ambient (non condensing)
Indicators	Power, Data lock and Data rate (143, 178, 270, 360 Mb/s)
Size	10.5" x 3" (263 x 75 mm)



Specifications subject to change without notice. Copyright 2002 Cobalt Digital Inc. 3/02