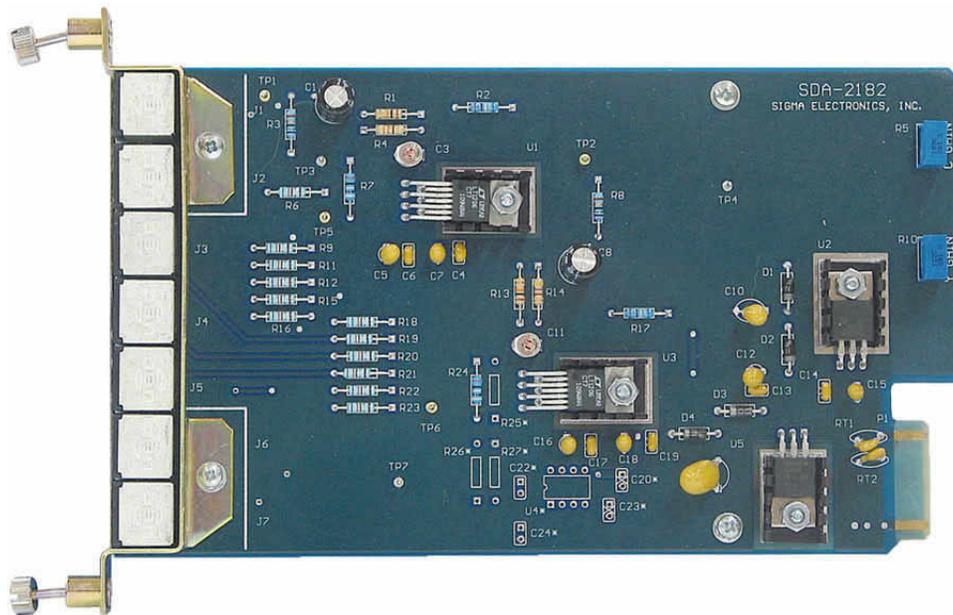


SDA-2182
S-VHS DISTRIBUTION MODULE
INSTRUCTION MANUAL



SIGMA ELECTRONICS, INC.
P.O. BOX 448
1027 COMMERCIAL AVENUE
EAST PETERSBURG, PA 17520
(717)569-2681

SPECIFICATIONS SDA-2182

ELECTRICAL:

Input	1.0V nominal (4 pin, micro-din) terminated in 75 ohms.
Return Loss	40 dB, 0 - 5.0 Mhz
Output	6 outputs, 75 ohms source terminated
Bandwidth	50 Mhz
Gain	2.0 dB
Tilt	0.5%, Line & Field rate
Differential Gain	0.2%, 10 - 90% APL
Differential Phase	0.2 degrees, 10 - 90% APL
Delay Channel to Channel	< 2 nsec

MECHANICAL:

(These modules operate in the SS-2100 frames occupying one module slot.)

Weight	1 lb. (net), 2 lb. (shipping)
Connectors	4 pin micro-din

ENVIRONMENTAL:

Operating	0 degrees - 50 degrees C
Storage	-55 degrees - 80 degrees C

UNPACKING

The Model SDA-2182 S-VHS DISTRIBUTION AMPLIFIER was inspected, tested, and found to be free of defects prior to shipment. Upon receipt, inspect the unit for any shipping damage. If any damage is detected, notify your freight agent at once. DO NOT DESTROY PACKING MATERIAL OR BOXES UNTIL YOUR AGENT HAS EXAMINED THEM.

INSTALLATION

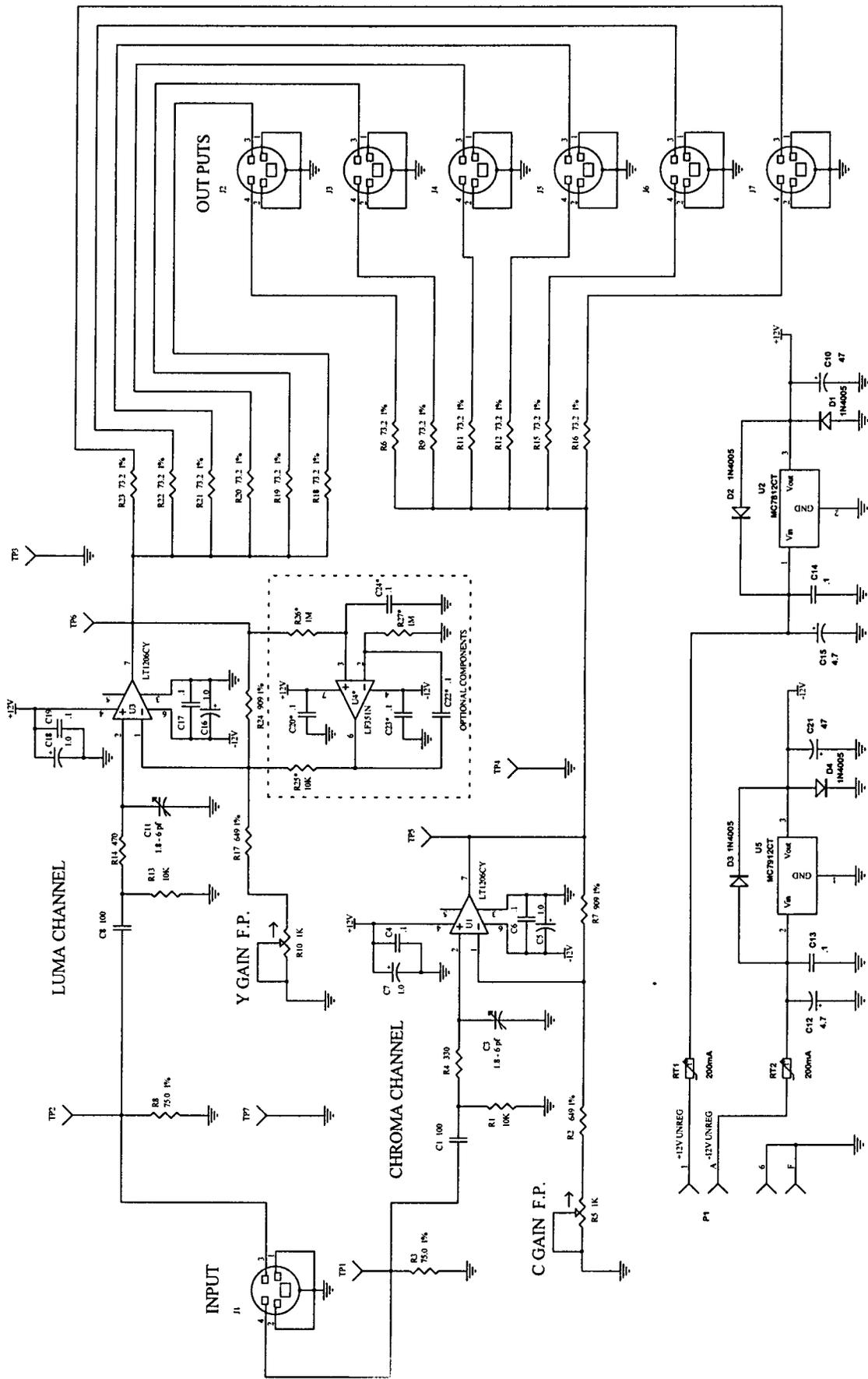
The Model SDA-2182 S-VHS DISTRIBUTION AMPLIFIER is a modular DA designed to occupy one slot in the SS-2100 series modular mounting frame. The stand alone version is the SDA-2682, the SDA-2682 can be rack mounted in the RMK-26.

THEORY OF OPERATION

ADJUSTMENTS AND MAINTENANCE

The SDA-2182 has been preset at the factory for a flat frequency response, zero dc offset, and unity gain. These parameters should be checked at regular intervals, and readjusted as necessary. The VIDEO GAIN CONTROLS are easily accessible from the front of the unit.

The left adjustment controls the "Y" channel. The right pot controls the gain of the "C" amplifier only.



NOTES - unless otherwise noted

1. All resistors are to 5%, 1% tolerance, 1/4 W, Carbon.
2. All capacitors are in microfarads.
3. *OPTIONAL COMPONENTS, servo loop to clamp LUMA channel

TITLE- SDA-2182

ASSY NAME-

LAST EON- 702

PCB REV- B

DWG # 12197

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