HeNe Laser PSU Based Power Supply for SSY1 (SG-SH1)

Capacitor Charger

- R1: 100K 2W
- R2: 100K 2W
- R3: 100K 2W
- R4: 2M 2W
- R5: 2M 2W
- R6: 2M 2W
- R7: 1M Vadj
- R8: 820K
- Q1: 2N3904
- ZD1: 1N5272 110V
- Q2: 2N3904

Trigger Circuit

- T1: Trigger
- C2: .05uF 400V
- S1: Fire
- R5: 2M 2W
- R6: 2M 2W

Pulse Forming Network

- (Part of PFN1)
- L1: .03mH
- C1: 36uF 950V
- D1: 1N5554
- ZD1: 1N5272
- R7: 1M Vadj
- R8: 820K

Supply

- HV+
- HV-
- IN+
- IN-

Drive (Laser 0.5A max)

- (21-31VDC, 0.5A max)

Nd:YAG Head Assembly

Red FL+

Black FL-

White TRG

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Title
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Size Document Number REV
A SG-SH1-SCH 1.1

Date: August 18, 2002 Sheet 1 of 1