Argon Laser Switchmode Power Supply Vers. 1.25

IC3
MC33152P
NC NC
INPA OUTA
GND VCC
INPB OUTB
CY4 100nF
C15 10uF
D4 ZD15V
D6 ZD15V
T1 IRF460
T2 IRF460
1uF 400V MKP C5
R1 1 Ohm 1W
47nF 400V FKP C9
R12 1 Ohm
R17 10
15A F1
D1 RHRP3060
C10 470pF 400V
C1 470pF 400V
2x ZD 200V
10 R9
C2 100uF 400V low ESR
Power Unit (on heat sink, 2 units parallel)
Floating ground plane, high side: -300V,-12V
+ HV in
shielded cable
R5 5K 25W
C17 C16 C11
2 x 3300uF 400V
1uF 400V
AC1 AC2 40A 600V
soft start
S2
R23 50 50W
Vin 230VAC
47n 400V FKP CY1
1uF 400V FKP C14
L1 180uH
(360uH if 2 units parallel)
R3 0.1Ohm 25W
C12 400uF 400V low ESR
R2 2.5K 25W
ca 80-250V
+Vout
-Vout
R19
0.5Ohm 50W
for Imax=10A
coaxial cable
HP 4360, 6N137
OK1
330 R7
R20 10
1000uF C20
R24 100
IC1 7805
OUT IN +5V GND
DC1
+VIN +VOUT
-VIN COM
COM
-VOUT
5->15V
DC/DC CONVERTER
TED 0522
100nF C7
10uF C18
CX1 100nF
C4 10uF
+15V
C6 100nF
C3 100uF
0V
Isolation Unit
Floating ground plane, high side: -300V, -12V
12-15V in
coaxial cable
R14 2 Ohm
100nF 400V MKP CX4
C22 330p
C13 2.2nF
R10 Idle Voltage 10K
ZD3.3V
R21 1K
R22 100k 1W
S1 Shutdown
R4 2.2K
R6 1K
R11 1K
SG2525AN
COMP SOST
SHUTD DISC
OUTA RT
GND CT
VC OSC
OUTB SNC
VCC NOTINV
VREF INV
U1
100uF C19
R8 4.7K
CX2 4.7nF
R16 10k
D7 ZD5.6V
C21 100nF
C25 10uF
C24 10uF
R18 5.6k
R13 Iout 10k
C8 100nF
Loop Gain 100K R15
PWM Unit
Floating ground plane, low side: -Vout, -15V

http://perso.wanadoo.fr/redlum.xohp/switchmode.html