L
N
E
MCB 1
1A
T4
T3
T5
LP1
FS2
315mA
FS3
315mA
FS4
315mA
T2
T1
0
120
240
15
0 6A
5
0 6A
4 5
2 2A
4 5
2 2A
250
75mA
250
245
225
205
6 3V
1A
6 3V
2A
6 3V X1/X2 (4 FILAMENT)
6 3V
1A
6 3V
2A
6 3V Y1/Y2 (4 FILAMENT)
20 15A 0 20 15A 0
To 101860
PCB 7
40V AC To PIN 2
0V. To PIN 3
101920
PCB 2
D1 W06
D2 W06
C7 47µf 63V
C9 6800µf 25V
C10 6800µf 25V
C11 2200µf 16V
D4 IN4007
D3 IN4007
R1 1W 1K2
D5 BZX61-C30
IC1 7815
IC2 7915
IC3 7805
C1 0.22µf 250V
C2 0.22µf 250V
C4 0.47µf 250V
C5 0.47µf 250V
C6 22µ 25V
D7 BZX61 11V
D8 BZX61 9V1
D6 BZX85 6 2V
R2 4K7
R3 4K7
R4 4K7
SWG WIPER
+30V. TO 101890 (PCB5) PIN 6
0V.
+5V.
+15V
-15V.
-275V.
+275V.
101800
PCB 2
D1 IN4007
D2 IN4007
D3 IN4007
D4 IN4007
D5 IN914
D6 IN914
D7 IN914
D8 IN914
D9 IN914
D10 IN914
D11 IN914
D12 IN914
D13 IN914
D14 IN914
D15 IN914
D16 IN914
D17 IN914
D18 IN914
D19 BZY88-9V1
D20 BZY 88 -9V1
IC1 µA741
IC2 741
IC3 1L1
IC4 1L1
TR1 2N3707
TR2 2N3707
C1 0.047µf
C3 10µf 400V
C4 1µf 400V
C5 47µf 450V
C6 47µf 450V
C7 47µf 350V
C8 47µf 350V
C9 100µf 10V
C10 100µf 10V
C11 100µf 10V
C12 100µf 10V
R1 100R 3W
R2 100R 3W
R3 220R 3W
R4 220R 3W
R5 270R
R6 270R
R7 9K1
R8 470R
R9 1K2 6W
R10 1K2 6W
R11 2K2
R12 2K2
R13 5K3
R14 3K3
R15 15K 1%
R16 330K 1%
R17 220K
R18 330K 1%
R19 330K 1%
R20 330K 1%
R21 150K 2W
R22 150K 2W
R24 1M
RV1 5K 20T SET 275 VOLTS
FS1 160mA A/S
FS2 160mA A/S
MTD ON HEAT SINK
BU105
TR1
MTD ON HEAT SINK
BU105
TR2

IF IN DOUBT ASK

DIMENSIONS IN mm UNLESS OTHERWISE STATED — REMOVE ALL BURRS AND SHARP EDGES

			ENG	J.H	DO NOT SCALE DRG
			DRN	T.M.R.	TOLERANCE UNLESS OTHERWISE STATED ± 0.1 mm
ECN 6611	29.6.00	8	CH'K'D		SURFACE FINISH 1.6 µm
CN 1755	15.11.83	6	APP'D		SCALE –
CN 1443	12.3.82	5			
CN 1293	1.Y.80	4			
CN 1275	23.1.80	3			
	24.1.77	2			
ORIGINAL	13.12.76	1			
MODIFICATION	DATE	ISS			

MATERIAL –
FINISH –

V G. SCIENTIFIC LTD., EAST GRINSTEAD.

TITLE 346 UNIT POWER SUPPLIES

DRAWING No 346-20-1 SHEET 1 OF 3

Vacuum Generators Ltd