

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1901	A	RELEASED	EO	5/15/06	TL	5/22/06	HO	5/22/06

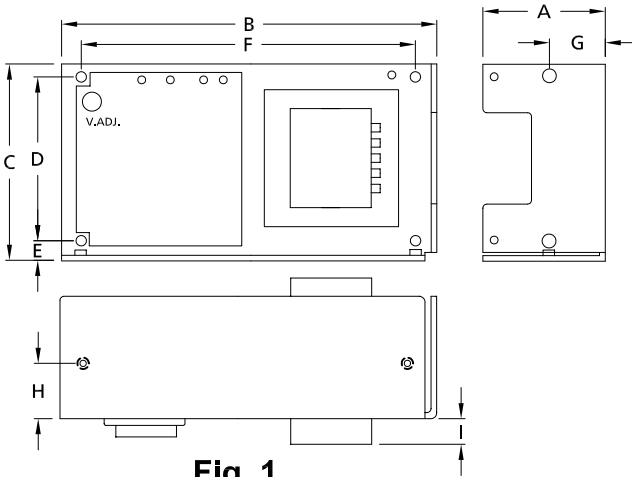


Fig. 1

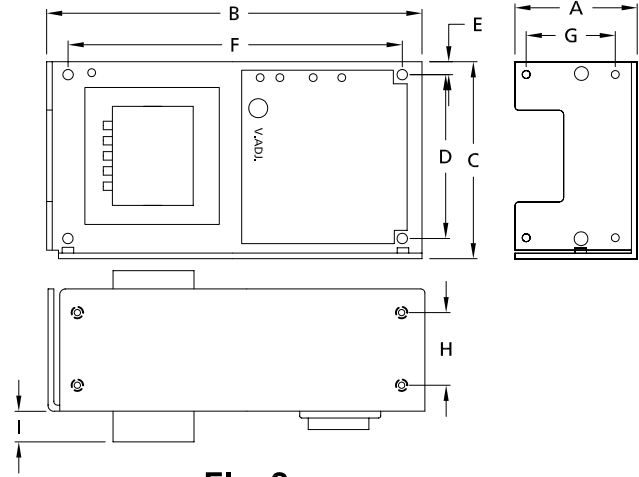


Fig. 2

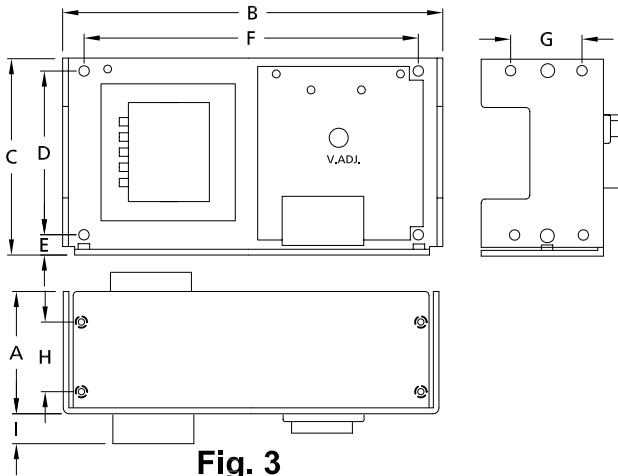


Fig. 3

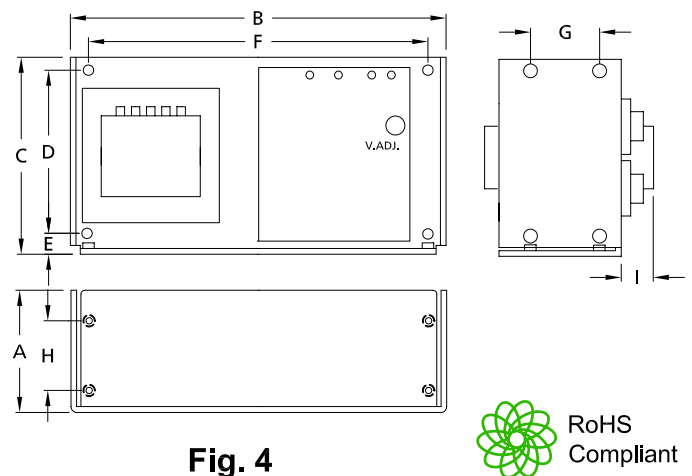


Fig. 4



Mechanical Dimensions

SPC Type No.	Volt - Amps	Fig	A	B	C	D	E	F	G	H	I
SPC20081	5V-3A	1	1.62	4.84	3.99	3.37	0.38	4.14	0.74	0.74	0.41
SPC20072	12V-1.7A		[41]	[123]	[101.4]	[85.6]	[9.6]	[105]	[18.9]	[18.9]	[10.5]
SPC20076	24V-1.2A										
SPC20082	5V-6A	2	2.47	5.61	4.86	4.12	0.25	4.88	1.28	1.28	0.44
SPC20073	12V-3.4A		[62.8]	[142.6]	[123.5]	[104.6]	[6.4]	[124]	[32.5]	[32.5]	[11.2]
SPC20077	24V-2.4A										
SPC20083	5V-9A	3	2.75	7.0	4.87	4.12	0.5	6.25	1.25	1.25	0.67
SPC20074	12V-5.1A		[69.9]	[178]	[123.7]	[104.8]	[12.7]	[158.8]	[31.7]	[31.7]	[17]
SPC20078	24V-3.6A										
SPC20080	5V-12A	4	2.75	9.0	4.88	4.13	0.47	8	1.26	1.26	0.63
SPC20075	12V-6.8A		[70]	[229]	[124]	[105]	[12]	[203]	[32]	[32]	[16]
SPC20079	24V-4.8A										
SPC20084	24V-7.2A	4	2.68	13.98	4.88	4.13	0.49	13	1.26	1.26	0.71
			[68]	[355]	[124]	[105]	[12.5]	[330]	[32]	[32]	[18]

SPC-F004.DWG

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:

EKLAS ODISH

DATE:

5/15/06

CHECKED BY:

THOMAS LEE

DATE:

5/22/06

APPROVED BY:

HISHAM ODISH

DATE:

5/22/06

DRAWING TITLE:

RoHS Compliant, Linear Open Frame DC Power Supplies

SIZE

A

DWG. NO.

TA-695

ELECTRONIC FILE

TA-695.DWG

REV

A

SCALE: NTS

U.O.M.: INCHES [mm]

SHEET: 1 OF 9

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**Features:**

1. 0.05% Line Regulation
2. 0.05% Load Regulations
3. Full output ratings to +50°C
4. Over-Voltage built in on 5 Volt outputs
5. Foldback current limiting with automatic recovery
6. Multi-tap AC inputs
7. 100% Four hour burn-in
8. Limited One year warranty

GENERAL SPECIFICATIONS:

1. Operating Temperature Range: 0 ~ +50°C (Derate to 40 % @ +70°C)
2. Temperature Coefficient (Typical): $\pm 0.01\%$ per °C
3. Stability: Within $\pm 0.05\%$ (For 24 hours after warm-up)
4. Vibration: Per MIL-STD 810C, Method 514
5. Shock: Per MIL-STD 810C, Method 516
6. EMI/RFI: Linear power supplies have inherently low conducted and radiated noise levels. For most system applications, these power supplies will meet the requirements of FCC Class "B" and VDE 0871 for Class "B" equipment without additional noise filtering
7. Cooling: Convection

INPUT SPECIFICATIONS:

1. Multi Input (all units): 100/120/220/230/240 VAC Selectable, $\pm 10\%$ except 230 VAC is $+15\%/-6\%$
2. Frequency Range: 47 ~ 63 Hz (Typical is 60 Hz. Derate output 10 % @ 50 Hz)
3. Transient Response Time: 50 microseconds at 50 % load changes for outputs rated up to 6 A 100 microseconds at 50 % load changes for outputs rated 6 A and over
4. Fuse Requirements: Units are not fused internally. For safe operation, user must provide input line fuse as per values given in Input AC Connections table

OUTPUT SPECIFICATIONS:

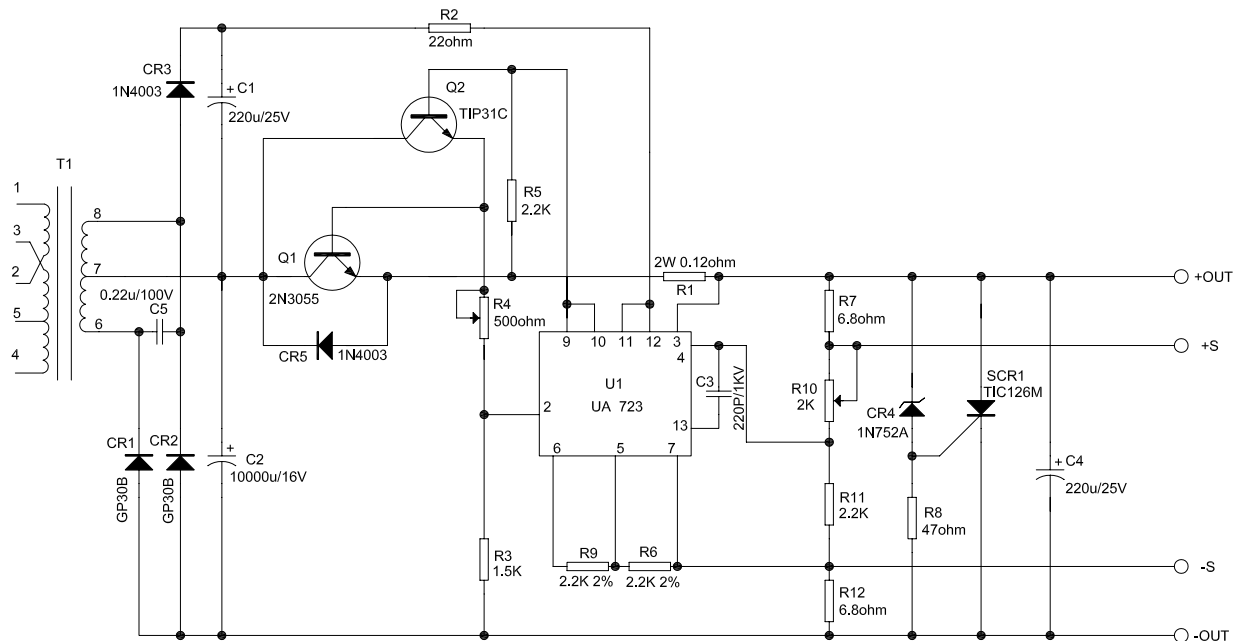
1. Line Regulation: 0.05 % for 10% change
2. Load Regulation: 0.05 % for 50% change
3. Ripple: 3.0mV maximum peak - to - peak
4. DC Output Adjustment Range: $\pm 5\%$ minimum
5. Overvoltage Protection: All 5 volt outputs include built in OVP as standard (setting is 6.2 V $\pm$ 0.4 V)
6. Remote Sensing: All units listed have remote sensing capabilities
7. Overload Protection: 125 % ~ 150% foldback current limit
8. Dielectric Withstand Voltage (min): 3750 VAC input/output
1500 VAC input/safety ground
500 VAC output/safety ground

Input AC Connection Table

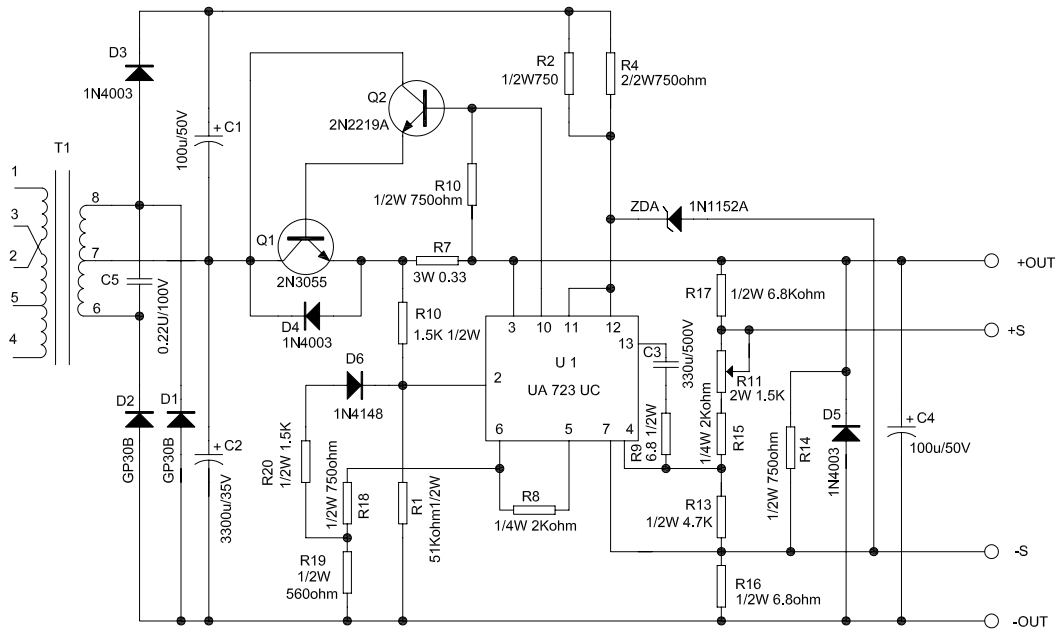
Input VAC	Connect	Apply AC to:	Input Fuse SPC20081	Input Fuse SPC20073 SPC20072 SPC20076	Input Fuse SPC20083 SPC20074 SPC20078	Input Fuse SPC20082 SPC20077	Input Fuse SPC20080	Input Fuse SPC20075	Input Fuse SPC20084 SPC20079
100	1-3, 2-4	1 & 5	0.5 A	1.0 A	1.5 A	1.6 A	2.0A	2.5 A	3.0 A
120	1-3, 2-4	1 & 4	0.5 A	1.0 A	1.5 A	1.6 A	2.0A	2.5 A	3.0 A
220	2-3	1 & 5	0.25 A	0.5 A	0.75 A	0.8 A	1.0A	1.25 A	1.5 A
230	2-3	1 & 4	0.25 A	0.5 A	0.75 A	0.8 A	1.0A	1.25 A	1.5 A
240	2-3	1 & 4	0.25 A	0.5 A	0.75 A	0.8 A	1.0A	1.25 A	1.5 A

Note:

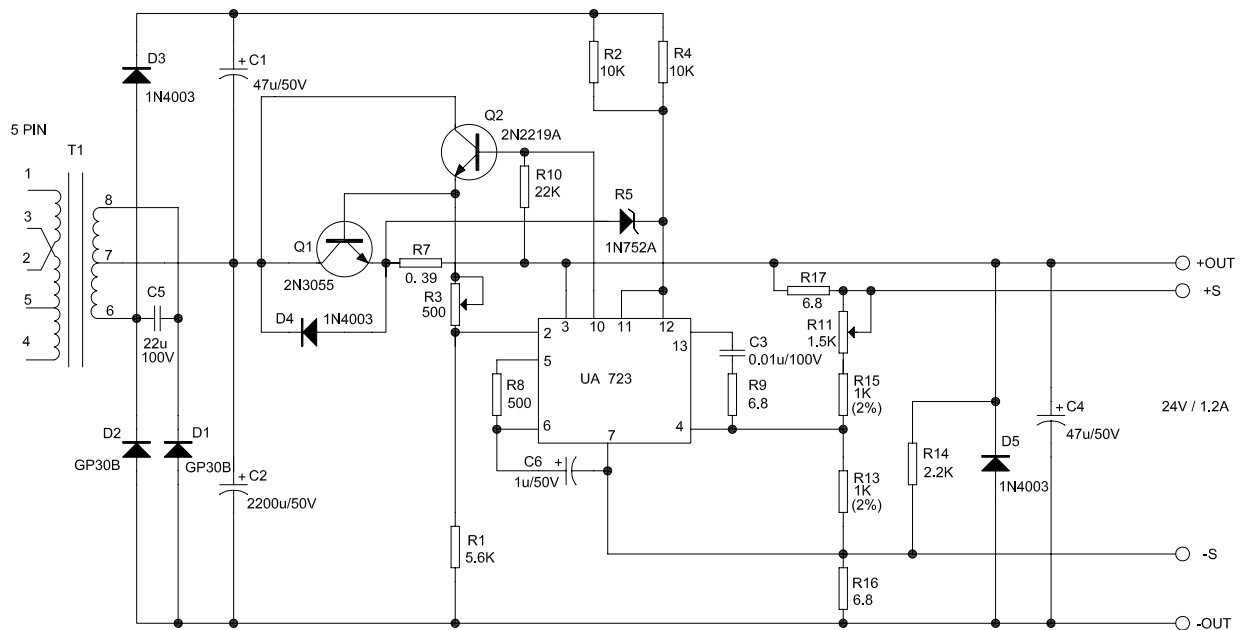
Use a 125 V fuse for low voltage, 250 V for high voltage applications. **(Fuses are not supplied with power supply)**



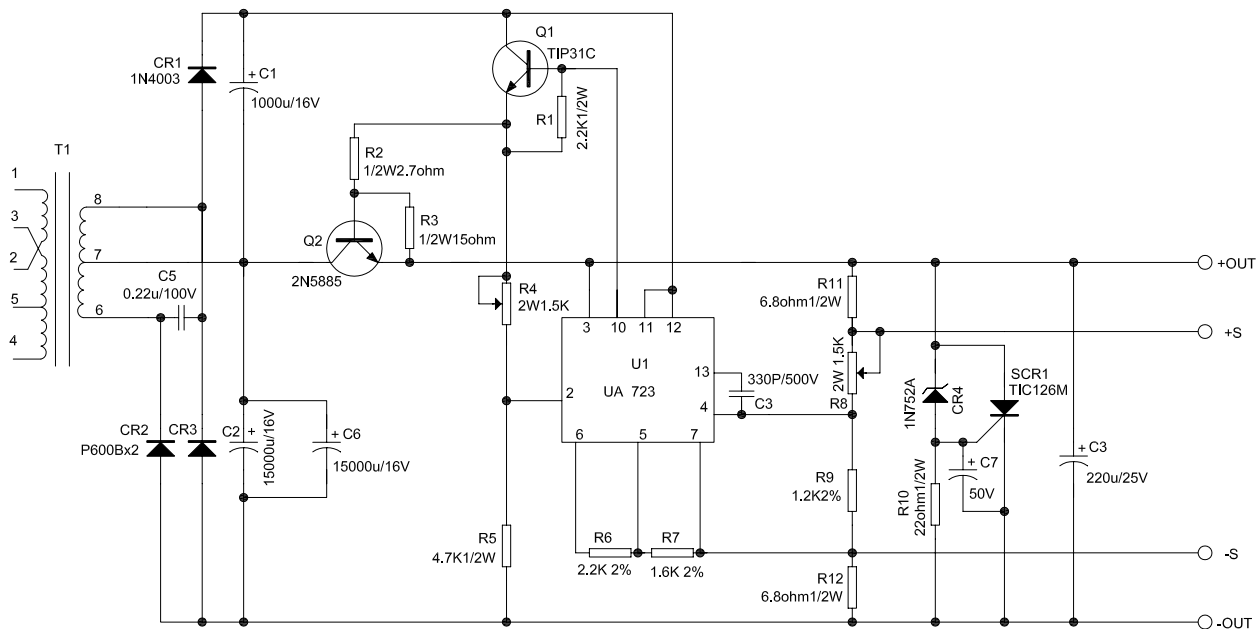
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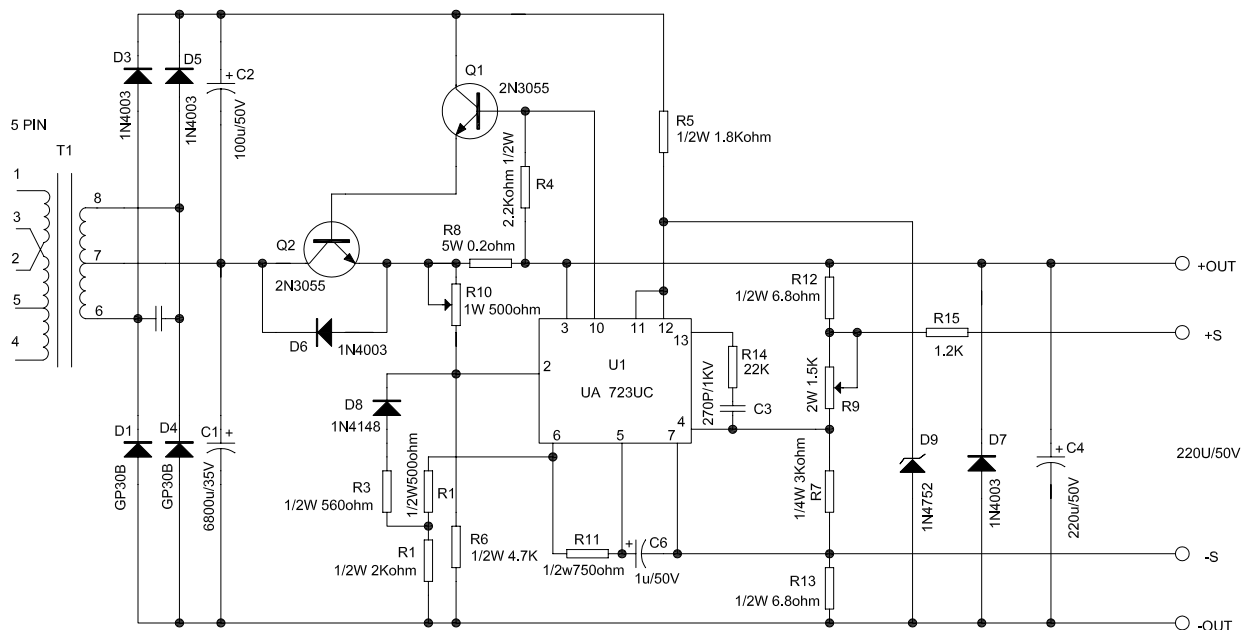
SPC20072



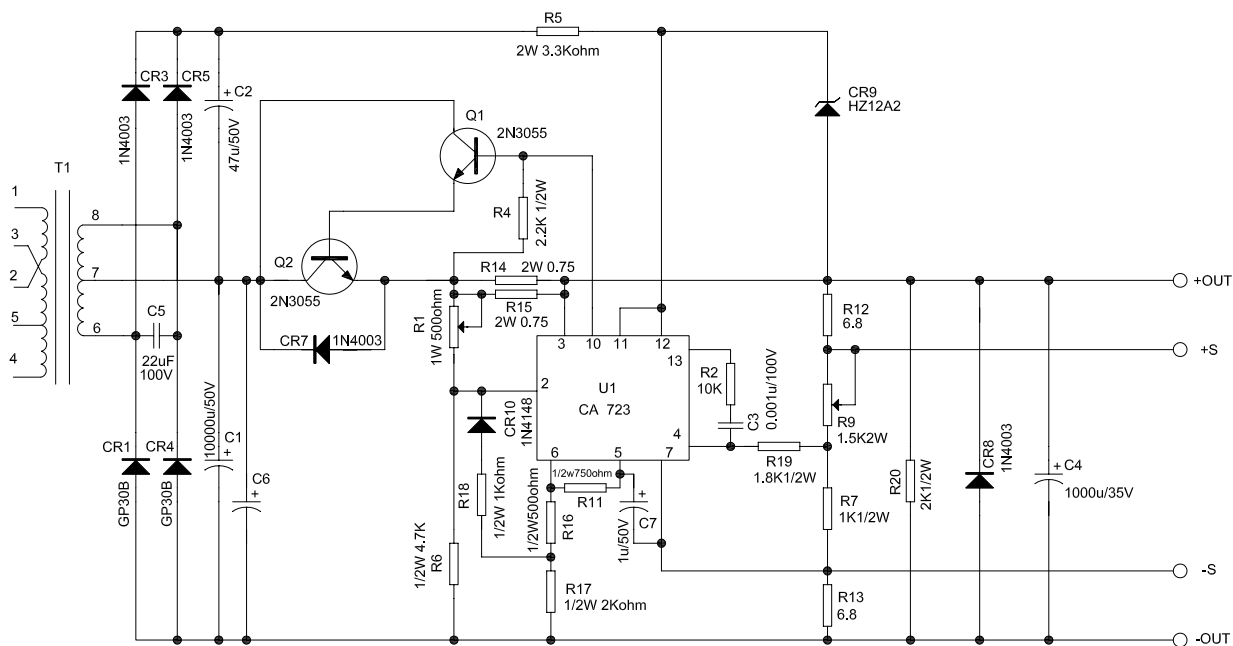
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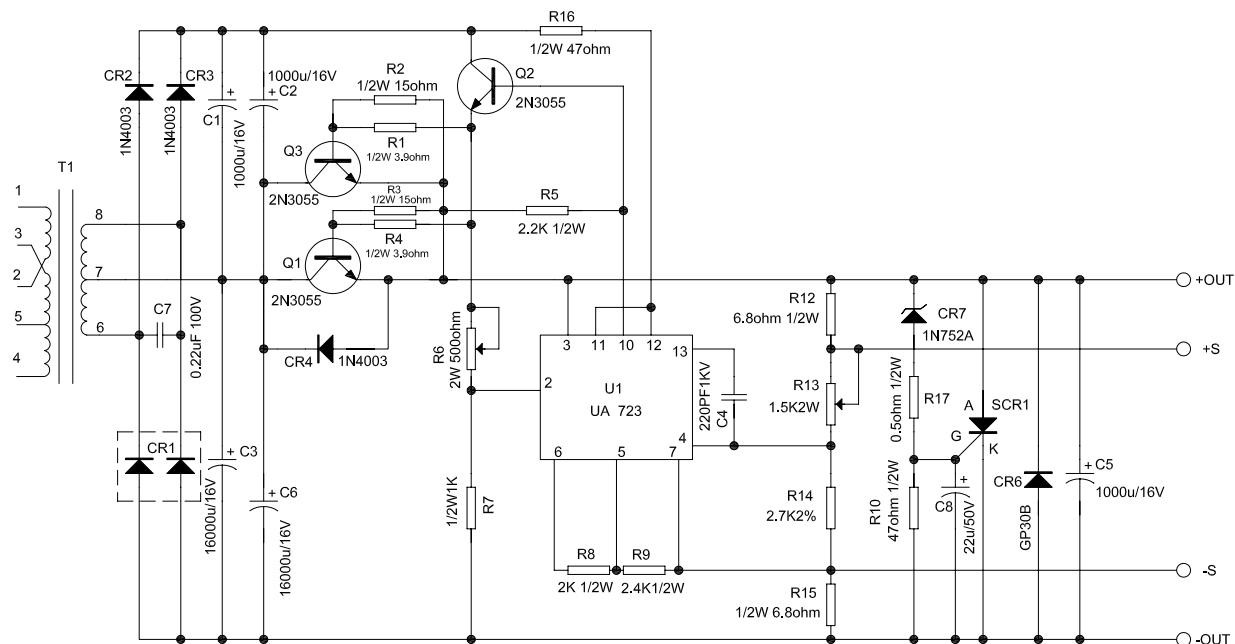
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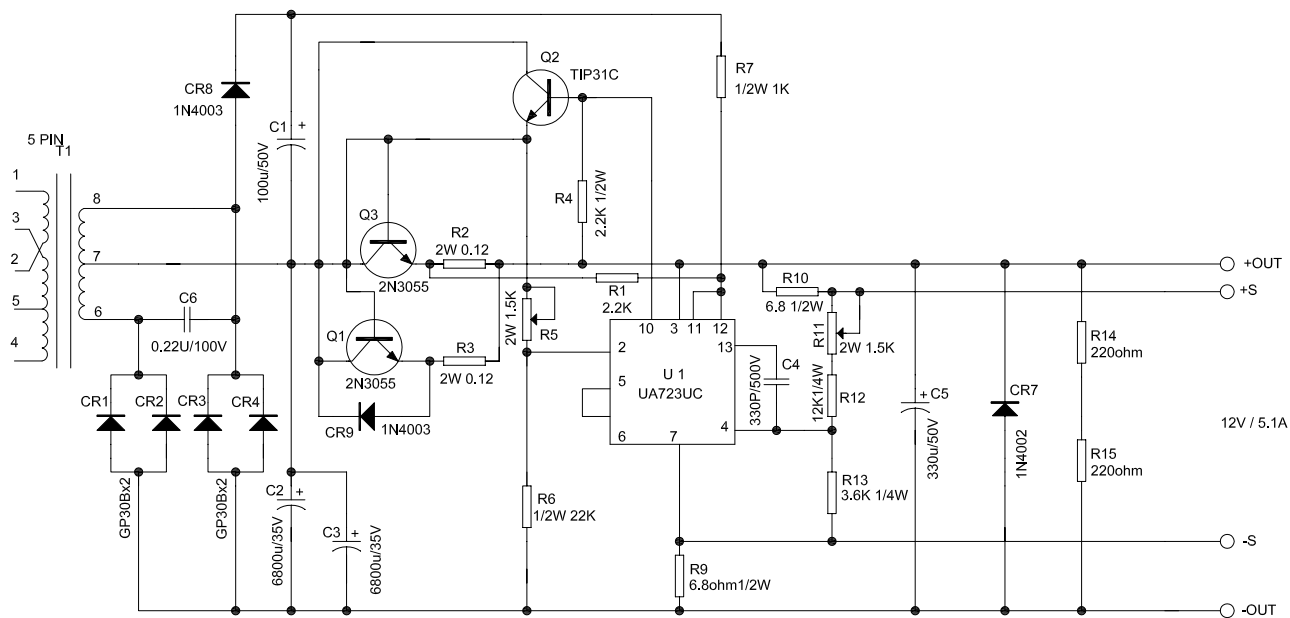
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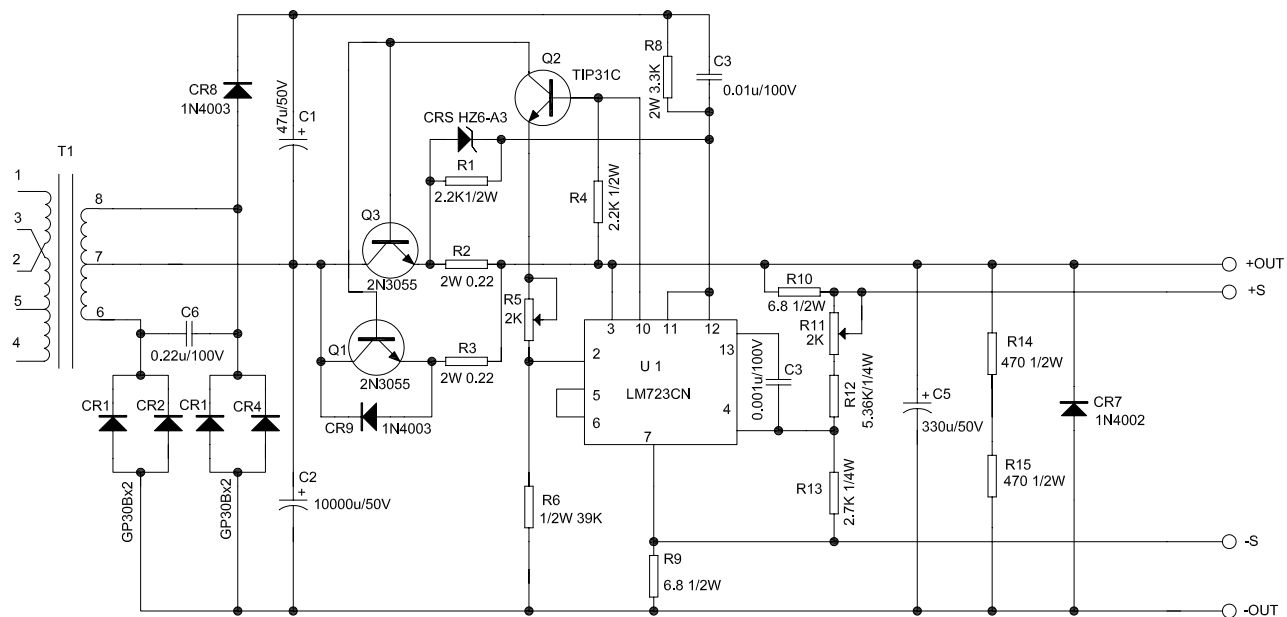
SPC20077



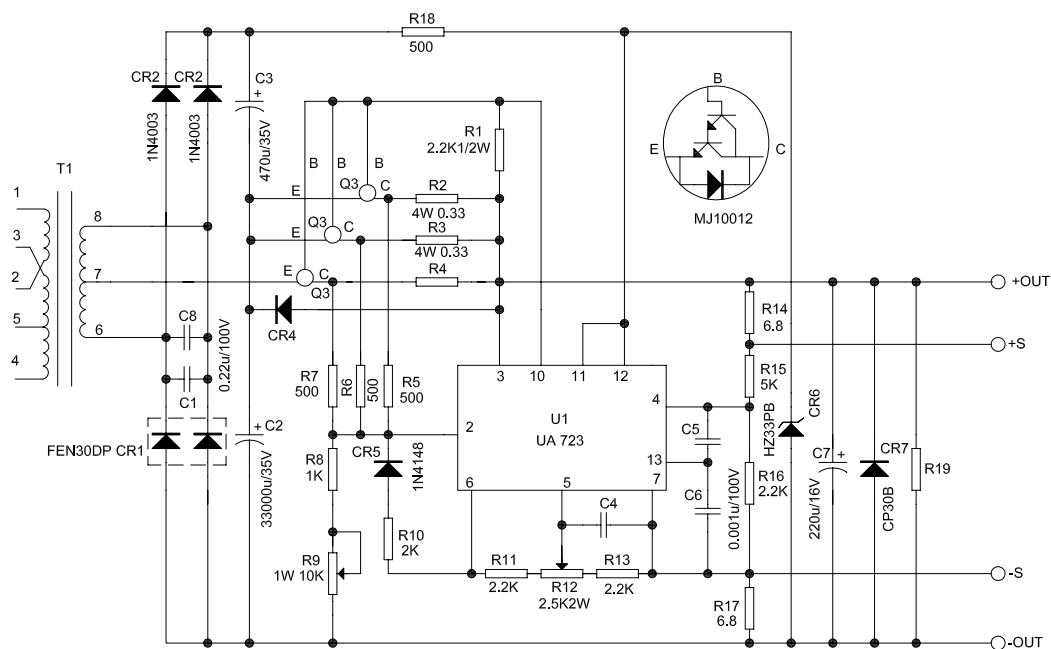
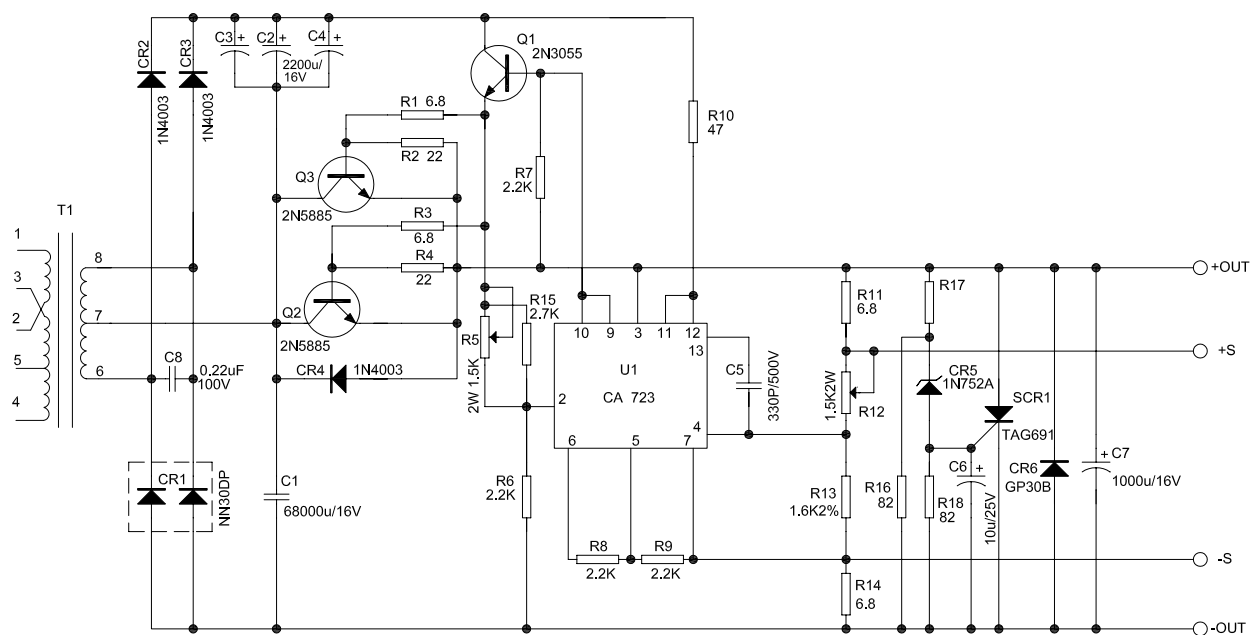
SPC20083



SPC20074



SPC20078



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SPC-F004.DWG

SIZE	DWG. NO.
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TA-695

ELECTRONIC FILE

TA-695.DWG

REV

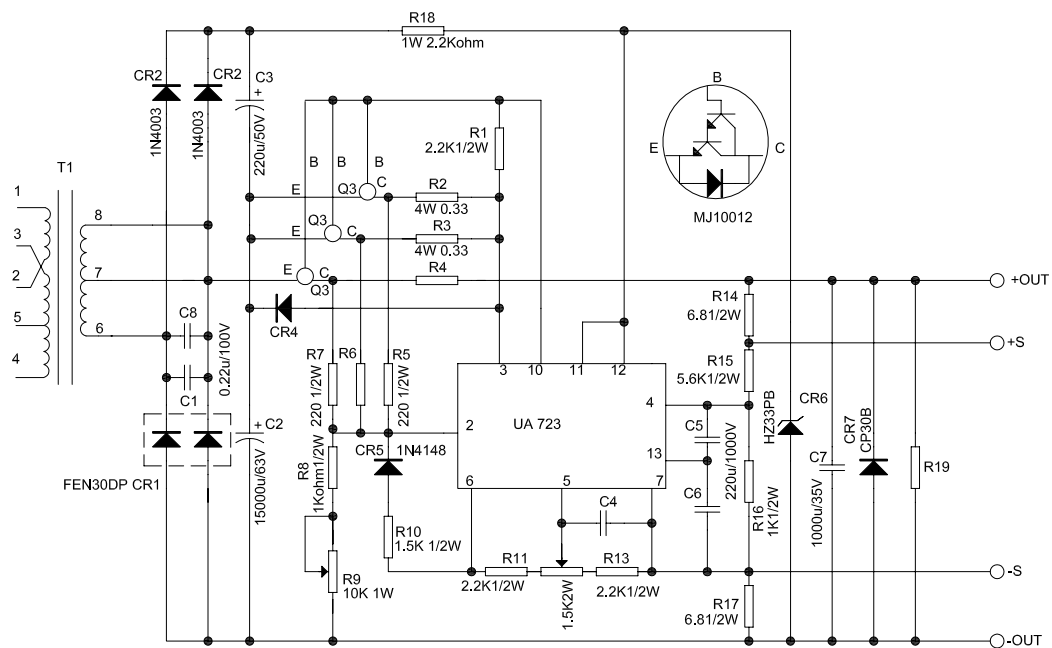
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DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398

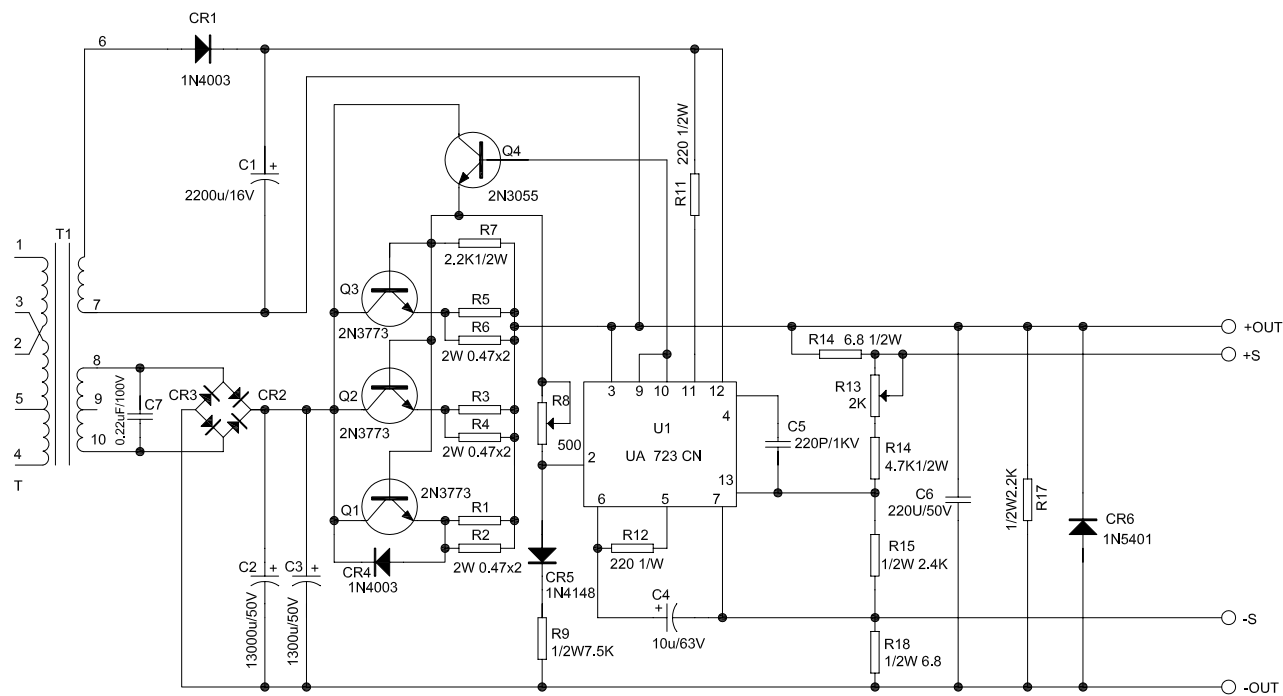
SCALE: NTS

U.O.M.: INCHES [mm]

SHEET: 8 OF 9



SPC20079



SPC20084