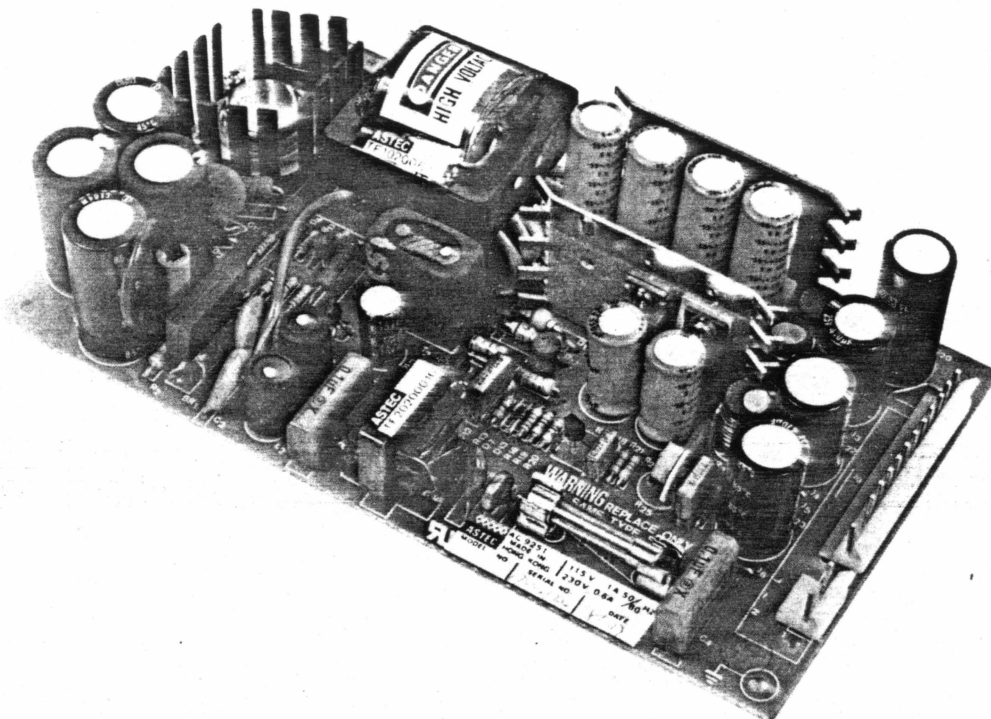


AC9251 50 WATT SERIES

The AC9251 Switch-Mode Power Supply has been designed for use in intelligent terminals and micro-computers. The AC9251 has dual line inputs and regulated outputs of:

- +5V at 6A
- +12V at 2A
- 12V at 1.0A
- 5V at 0.5A

This compact open frame unit features low magnetic radiation and is built to conform to International Safety and RFI Regulations.



PIN ASSIGNMENT:-

AC Input	P1	NEUTRAL	}
	P2	LIVE	
DC Outputs	P3	-5V	}
	P4	-12V	
	P5,6	+12V	
	P7,8,9, 10,11	COMMON	
	P12,13,14	+5V	

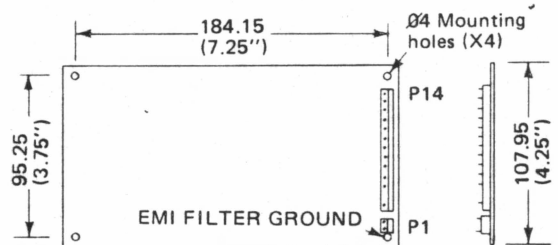
Crimp Inserts

MATING CONNECTORS:-

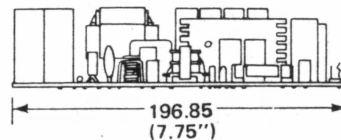
Molex Type 09-50-3031

Molex Type 09-50-3131

Molex Type 2478
(18 to 24 AWG)



All dimensions are mm



ASTEC

IS THE
POWER SOURCE

ELECTRICAL SPECIFICATIONS

AC9251

PARAMETER	MIN	TYP	MAX	UNIT	NOTES
Input Voltage	90	115	135	VAC	
	180	230	270	VAC	
Input Frequency	47	50/60	400	Hz	
Outputs: VO1	4.95	5.0	5.05	V	+5V Output
IO1	1.0	3.0	6.0	A	
VO2	11.4	12.0	12.6	V	+12V Output
IO2	0.2	0.5	1.0	A	
VO3	-11.04	-12.0	-12.96	V	-12V Output
IO3	0.2	0.5	1.0	A	
VO4	-4.8	-5.0	-5.2	V	-5V Output
IO4	0.1	0.25	0.5	A	

Note: With +12V at 2A max., +5V will reduce to 4A max.

PARAMETER	MIN	TYP	MAX	UNIT	NOTES
Efficiency	65			%	At full load
Operating Temperature	0		50	°C	Ambient temp.
Output Ripple			1	%	1Hz to 10MHz
Line Regulation		0.1	0.2	%	
Load Regulation VO1		0.2	1.0	%	
VO2, VO4			3.0	%	
VO3			6.0	%	
Load Step Response Time			500	µS	For 20% step
Over Voltage Protection	5.9	6.4	6.9	V	+5V Supply
Hold-up Time	16	24		mS	At full load

MTBF

Greater than 50,000 hours when operated at full load and an ambient temperature of 25°C.

Short Circuit Loads

Indefinite period.

Open Circuit Loads

Indefinite period.

EMI Requirements

Meets the conduction limits of VDE 0871 'A' rules for 230 VAC In and FCC 'A' rules for 115 VAC In.

Safety Requirements

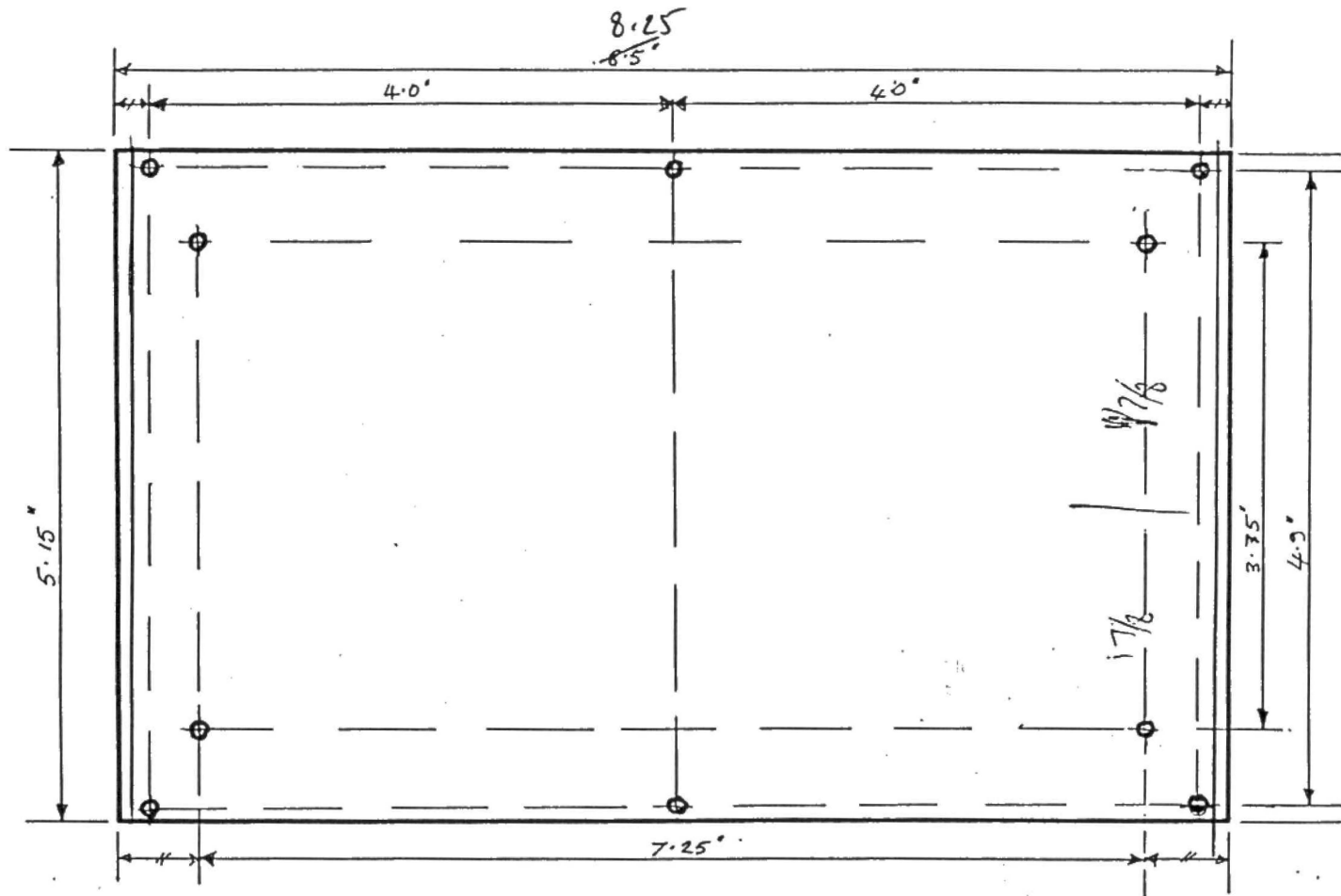
Meets UL 1012 safety standard for power supplies.

ASTEC EUROPE LTD.,
16, Albury Close,
Reading,
Berkshire,
RG3 1BD

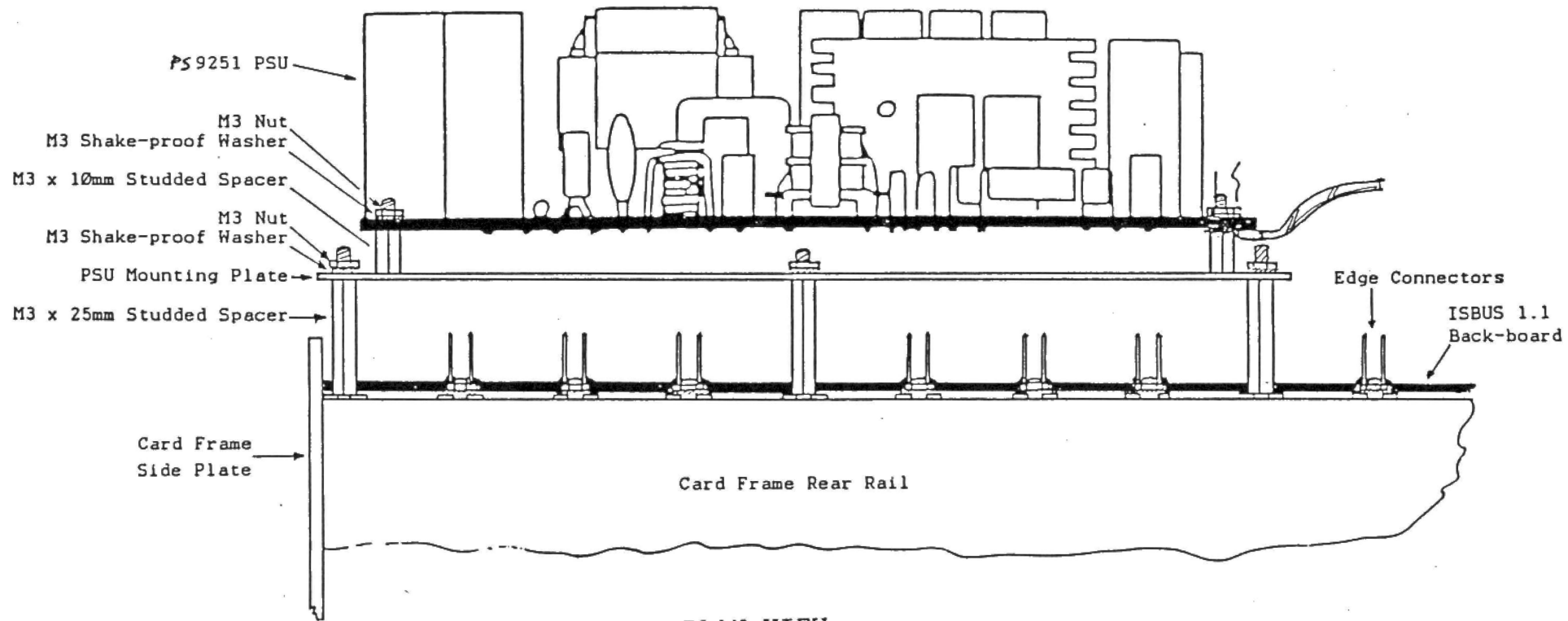
U.S. ASTEC ELECTRONICS
1101 Spacepark Drive,
Santa Clara,
California 95050
U.S.A.

Telephone: (0734) 53067
Telex: 848047 ASCOMP G

Telephone: (408) 727-3350
Telex: 457471 ASTEC SNTA



1.6 mm THICK ALUMINUM SHEET HOLE SIZE 3.125 mm.	Drawn J.H.P	Greenbank Electronics	
	Date 6-7-87		
	Scale N.T.S.	POWER SUPPLY MOUNTING PLATE DETAILS	
		870706	1 of 1.



PLAN VIEW

	Drawn	Greenbank Electronics
	Date	
	Scale	
		PS9251 Power Supply Mounting Details



DANGER
HIGH VOLTAGE

ASTECH
85210201060

WARNING REPLACE ONLY
WITH SAME TYPE FUSE.
1 1/2 A 250V

AC 9251 115V 1A 50/60 HZ
MADE IN HONG KONG 230V 0.6A
MODEL NO: SERIAL NO: DATE: 8720

ASTECH COMPONENTS

DAIICHOX

3020001A

DAIICHOX