SPC TECHNOLOGY

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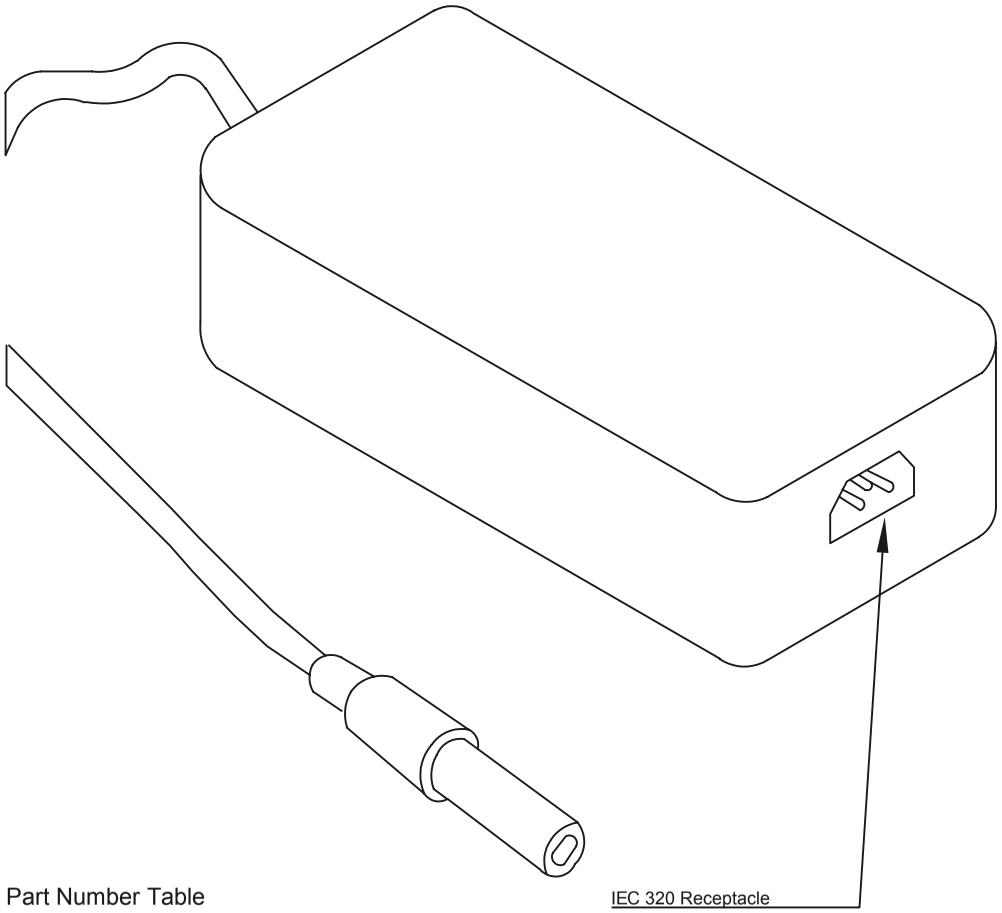
SPC-F005.DWG

REVISIONS

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
			JAG	01-08-10	MRD	03-08-10	XXX	16-08-10

Size : 146mm (L) x 76mm (W) x 44mm (H)
Weight: 7kgs



Specifications:

1. DC Output Voltage : 12V
2. Output Voltage Tol : ±3%
3. Output Rated Current : 5A
4. Output Current Range : 0 ~ 5A
5. Ripple and Noise : 100mVp-p
6. Line Regulation : ±1%
7. Load Regulation : ±3%
8. DC Output Power : 60W
9. Efficiency : 74%
10. DC Voltage Adj : Fixed
11. Input Voltage Range : 90~260VAC, 47~63Hz
12. AC Current : 1.6A/230VAC
13. Inrush Current : Cold Start <60A Peak/230VAC
14. Leakage Current : <0.35mA/240VAC
15. Overload Protection : Pulsing Mode, Reset, Auto-Recovery
16. Over Voltage Protection : 105% ~ 145%
17. Temperature Coefficient : ±0.03%/°C (0~50°C)
18. Setup, rise, Hold-up-Time : 800ms, 50ms, 16ms
19. Vibration : 10~500Hz, 2G 3 Axis 10min/cycle, 1 hour/each axis
20. Withstand Voltage : I/P-O/P: 3KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC for 1 minute
21. Isolation Resistance : I/P-O/P, I/P-FG, O/P-FG: 500VDC/100Megaohms minimum
22. Operating Temp. Humidity : 0°C~25°C @ 100% Load, 40°C @ 50% Load, 20%~90%RH
23. Storage Temp. Humidity : -20°C~85°C, 10%~95%RH
24. Length of Output Cable : 180cm with SPT-1, 18AWG, 2 conductor
25. DC Output Plug : Ø2.1mm x Ø5.5mm x 11mm (Center= "Positive")
26. Safety Standards : CSA22.2, UL1950, TUV EN60950 Approved
27. EMC Standards : EN55022, IEC801-2, 3, 4 verification
28. Short Circuit Protected

Part Number Table

Description	Part Number
40W AC - DC Single Output Switching Power Supply	SPC21999

Dimensions : Inches

NOTE:

1. *All parameters are specified at 230VAC input, 25°C 70 % RH. Ambient.*
2. *Tolerance includes set up tolerance, line regulation, load regulation*
3. *Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1 mF and 47 mF capacitor.*
4. *Line regulation is measured from low line to high line at rated load.*
5. *Load regulation is measured from 0 % to 100 % rated loa d*

DISCLAIMER:
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

TOLERANCES:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
JAG	01-08-10
CHECKED BY:	DATE:
MRD	03-08-10
APPROVED BY:	DATE:
XXX	16-08-10

DRAWING TITLE: 40W AC – DC Single Output Switching Power Supply

SIZE	DWG. NO.	ELECTRONIC FILE	REV
XXX	XXX	95B1382	A

SCALE: NTS U.O.M.: INCHES [mm] SHEET: 1 OF 1

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