

MODEL NO.: BPOEA6-18-V

CUSTOMER P/N:

DESCRIPTION: Switching Adapter (18V/2.22A) with POE-Base Unit

ISSUED DATE: June 25, 2009

REVISION NO.: Original

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00	Initial Released	2009/06/25
REV	DESCRIPTION	DATE

APPD. BY	CHK. BY	PRE. BY
John	Louis	Louis
2009/06/25	2009/06/25	2009/06/25

1.0 INPUT REQUIREMENTS

- 1.1 AC VOLTAGE:
90Vac TO 264Vac INPUT
- 1.2 FREQUENCY:
47Hz TO 63Hz
- 1.3 AC CURRENT:
1.2A MAX.
- 1.4 INRUSH CURRENT:
40A MAX. AT 115Vac AND FULL LOAD, COLD START, 25°C.

2.0 OUTPUT REQUIREMENTS

2.1 DC OUTOUT REQUIREMENTS:

OUTPUT VOLTAGE	OUTPUT TOLERANCE	RIPPLE &NOISE	LOAD	
			MIN	MAX

+ 18Vdc	17.1V~18.9V	180mVp-p	0.0A	2.22A

NOTE: THE PEAK TO PEAK RIPPLE AND NOISE MEASURING DONE BY 20MHz BAND WIDTH
LIMITED OSCILLOSCOPE AND TERMINATED EACH OUTPUT WITH A 10uF AND A
0.1uF CAPACITOR DOES MEASURING

- 2.2 OVERSHOOT:
OVERSHOOT SHOULD NOT EXCEED 10% OVER NOMINAL VOLTAGE
- 2.3 RISE TIME:
50mS MAX.
- 2.4 HOLD-UP TIME:
MINIMUM 10mS AT 80% MAX LOAD, 115Vac INPUT.

3.0 EFFICIENCY

THE SWITCHER SHOULD PROVIDE DC CONVERSION EFFICIENCY MINIMUM 80% AT FULL
LOAD, 115Vac INPUT.

4.0 PROTECTION REQUIREMENTS

4.1 OVER VOLTAGE PROTECTION:

28.8V MAX.

4.2 SHORT CIRCUIT PROTECTION:

THE SWITCHER SHOULD AUTO-RECOVER IN CASE ANY SHORT-CIRCUIT SHOULD OCCUR AT ANY DC OUTPUT

5.0 ENVIRONMENTAL

5.1 OPERATING:

TEMPERATURE 0 TO 40°C

RELATIVE HUMIDITY 20% TO 90% RH

5.2 STORAGE:

TEMPERATURE -25 TO 85°C

RELATIVE HUMIDITY 0% TO 90% RH

6.0 EMI REQUIREMENT

THE SWITCHER DESIGNED TO MEET BELOW STANDARDS:

FCC PART 15 SUBPART J CLASS B.

CNS 13438 CLASS B

CISPR CLASS B

7.0 SAFETY REQUIREMENTS

7.1 SAFETY REGULATION:

THE SWITCHER DESIGNED TO MEET BELOW STANDARDS:

UL 60950

CUL 22.2 No.950

TUV EN60950

7.2 DIELECTRIC STRENGTH:

INPUT AND OUTPUT 1800Vac(10mA) @ 3 SEC

8.0 RELIABILITY

8.1 MTBF: 50000 HOURS

8.2 B-TEST:

VIBRATION, SHOCK, ALTITUDE, STATIC COMPRESSION, DROP... ETC. PLEASE REFER TO B-TEST PROCEDURE.

9.0 Picture

