

BOCA FLASHER

BF-21097 SERIES-50W

0-50 Watts, DeskTop, Switchmode Universal Input,
Single Output Family, ITE



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC
INPUT CURRENT:
< 1.6 A RMS AT 90 VAC INPUT
INPUT FREQUENCY:
47 HZ - 63 HZ
OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED
OUTPUT POWER (RATED):
50 WATTS MAX
OUTPUT RIPPLE (PEAK TO PEAK):
1% OF OUTPUT VOLTAGE , PEAK TO PEAK, TYPICAL
OUTPUT REGULATION (LINE/LOAD):
+/-5% MEASURED AT THE OUTPUT CONNECTOR
LINE REGULATION:
+/- 1% TYPICAL MEASURED AT FULL LOAD
TURN ON/ TURN OFF OVERSHOOT:
5% MAXIMUM, 1ms TYPICAL RECOVERY TIME FOR 25% STEP LOAD
TURN-ON DELAY:
1 SEC TYPICAL
HOLD-UP TIME:
10mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD
INRUSH CURRENT:
20A MAX COLD START FOR 115VAC
EFFICIENCY:
75% TYPICAL AT NOMINAL INPUT AND FULL LOAD
SWITCHING FREQUENCY:
100 KHZ TYPICAL
OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED TO LESS THAN 130%, CROWBAR METHOD
OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTO-RECOVERY (110 - 130% OF RATED LOAD), HICCUP MODE OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT
SAFETY APPROVALS:
UL 60950 (THIRD EDITION), CUL TO 22.2 NO. 60950, TUV TO EN60950, PSE TO J60950, CHINESE CCC MARK TO GB4943-2 001, GB9254-1998, GB17625.1-2003; C-TICK TO AS/NZ 60950, CB REPORT

OTHER PROTECTION:

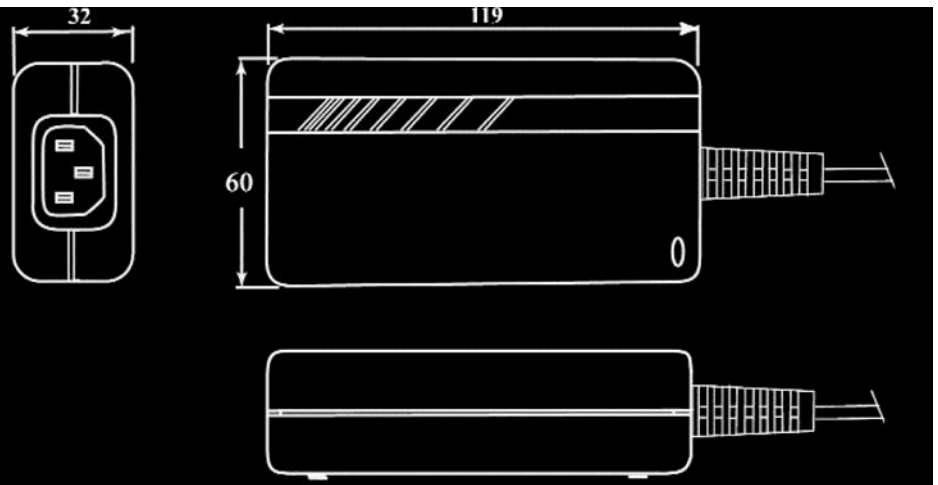
INPUT LINE FUSING
DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000VAC) FROM PRIMARY TO SECONDARY
2121VDC (1500VAC) FROM PRIMARY TO SECONDARY
LEAKAGE CURRENT:
<500uA at 264Vac INPUT VOLTAGE
LINE SURGE:
EN 61000-4-5 LEVEL 4
EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.
CE MARK:
EN55011, Group 1, Class B, EN55022 Class B, EN55011, Group 1, Class B; EN55024 / EN60601-1-2 / IEC 61000-4-3:2002; EN55024 / EN60601-1-2 / IEC 61000-4-6:2001 ; EN55024 / EN60601-1-2 / IEC 61000-4-8:2001; EN55024 / EN60601-1-2 / IEC 61000-4-11:2001; EN55024 / EN60601-1-2 / IEC 61000-4-4:2001; EN55024 / EN60601-1-2 / IEC 61000-4-2:2001; EN55024 / EN60601-1-2 / IEC 61000-4-5:2001; EN55024 / EN 61000-3-3 A1: 2001 / EN 61000-3-3 A1: 2001; EN55024 / EN 61000-3-2:2001 / EN 61000-3-2:2001. UNIT IS ELIGIBLE FOR CE MARK.
MTBF:
GREATER THAN 50,000 HOURS AT 25°C AMBIENT TEMPERATURE NOMINAL LINE AND FULL LOAD (MIL-217 STD)
OPERATING TEMPERATURE:
0°C TO 40°C AMBIENT TEMPERATURE
STORAGE TEMPERATURE:
-40° C TO 80° C
HUMIDITY:
0% TO 90% RELATIVE HUMIDITY
NOTES:
1. - : ITE MODEL OR (M): MEDICAL MODEL
2. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
4. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
BF-21097-5024-X.X	+24.0	0 - 2.1	0 - 50

ENCLOSURES

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK



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