

ELJINTEK, INC.

SWITCH MODE POWER SUPPLY

GMPU30X-1 SPECIFICATION

1)INPUT:

- A) INPUT VOLTAGE RANGE 100 TO 240VAC
- B) INPUT FREQUENCY RANGE 47 TO 63 HZ
- C) INPUT CURRENT 1.0-0.6A MAX
- D) LEAKAGE CURRENT 0.1mA MAX.@240VAC/50HZ

2)OUTPUT:

- A) OUTPUT VOLTAGE +5VDC
- B) OUTPUT CURRENT 4 AMPS
- C) OUTPUT POWER 20WATTS MAX
- D) RIPPLE & NOISE 150mVp-p MAX.
(PEAK TO PEAK MAXIMUM)(AT 20MHZ B.W)
- E) LOAD REGULATION 4.75 TO 5.25 VDC(±5% MAXIMUM)
- F) OVER VOLTAGE PROTECTION YES. PROTECTED BY ZENER DIODE.
- G) OVER CURRENT PROTECTION YES. HICCUP MODE; AUTO-RECOVERY.
- H) OUTPUT SHORT PROTECTION YES. HICCUP MODE; AUTO-RECOVERY.

3)ENVIRONMENTAL:

- A) OPERATING TEMPERATURE 0 TO +40°C
- B) STORAGE TEMPERATURE -40 TO +85°C
- C) RELATIVE HUMIDITY 5% TO 95% NON-CONDENSING
- D) DERATING FROM +40°C DERATE LINEARLY TO 70% AT +50°C

4)GENERAL:

- A) EFFICIENCY AVG. EFF. 83.08% MIN. AT 115VAC / 230VAC
- B) NO LOAD POWER CONSUMPTION < 0.1W
- C) HOLD-UP TIME 10 m SEC / 115VAC AT FULL LOAD
- D) LINE REGULATION ±1% MAXIMUM AT FULL LOAD
- E) INRUSH CURRENT 50AMPS MAX./115Vac ; 90AMPS MAX./ 230VAC
AT 25°C COLD START
- F) WITHSTAND VOLTAGE 5656VDC FROM INPUT TO OUTPUT
- G) INSULATION RESISTANCE 50MΩ MINIMUM FROM INPUT TO GROUND
- H) MEAN TIME BETWEEN FAILURE 100,000 HOURS MIN. AT FULL LOAD AT 25°C
AMBIENT
- I) EMC REGULATIONS (A)EN55011
(B)EN60601-1-2 、 EN61000-3-2 、 EN61000-3-3
(C)IEC6000-4-2,3,4,6,8,11
(D) FCC 47 CFR PART 18 SUBPART B
- J) SAFETY STANDARD (A) UL/cUL(ANSI/AMMI ES6061-1)
(B) TUV EN60601-1
(C) IEC60601-1
- K) ENERGY REQUIREMENTS (A) DoE LEVEL VI (B) CoC VERSION 5
(C) ErP STEP 2

5)CONSTRUCTIONS:

- (A) SIZE SHOWN AS DRAWING
- (B) ELECTRICAL CONSTRUCTION CLASS II