

ELJINTEK, INC.

SWITCH MODE POWER SUPPLY

MPU30X-1 SPECIFICATION

1)INPUT:

A) INPUT VOLTAGE RANGE	100 TO 240VAC
B) INPUT FREQUENCY RANGE	47 TO 63 HZ
C) INPUT CURRENT	0.8-0.4A MAX
D) LEAKAGE CURRENT	0.3mA MAX.@240VAC/50HZ

2)OUTPUT:

A) OUTPUT VOLTAGE	+5.0VDC
B) OUTPUT CURRENT	5.0AMPS
C) OUTPUT POWER	25WATTS MAX
D) RIPPLE & NOISE	30mVp-p MAX.
E) LOAD REGULATION	(PEAK TO PEAK MAXIMUM)(AT 20MHZ B.W)
F) OVER VOLTAGE PROTECTION	4.60 TO 5.40(±8% MAXIMUM)
G) OVER CURRENT PROTECTION	YES. PROTECTED BY ZENER DIODE.
H) OUTPUT SHORT PROTECTION	NIL
	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	68% MIN. AT 115VAC / 230VAC
B) HOLD-UP TIME	10 m SEC / 115VAC AT FULL LOAD
C) LINE REGULATION	±1% MAXIMUM AT FULL LOAD
D) INRUSH CURRENT	35AMPS MAX./115Vac ; 65AMPS MAX./ 230VAC
E) WITHSTAND VOLTAGE	AT 25°C COLD START 5656VDC FROM INPUT TO OUTPUT
F) INSULATION RESISTANCE	50MΩ MINIMUM FROM INPUT TO GROUND
G) MEAN TIME BETWEEN FAILURE	100,000 HOURS MIN. AT FULL LOAD AT 25°C AMBIENT
H) EMC REGULATIONS	(A)EN55011 (B)EN60601-1-2 、 EN61000-3-2 、 EN61000-3-3 (C)IEC6000-4-2,3,4,6,,811 (D) FCC 47 CFR PART 18 SUBPART B
I) SAFETY STANDARD	(A) UL/cUL(ANSI/AMMI ES6061-1) (B) TUV EN60601-1 (C) IEC60601-1

5)CONSTRUCTIONS:

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