

ELJINTEK, INC.

SWITCH MODE POWER SUPPLY

GMPU12X-5-USB SPECIFICATION

1)INPUT:

A) INPUT VOLTAGE RANGE	100 TO 240VAC
B) INPUT FREQUENCY RANGE	47 TO 63 HZ
C) INPUT CURRENT	0.4-0.2A MAX
D) LEAKAGE CURRENT	0.1mA MAX.@240VAC/50HZ

2)OUTPUT:

A) OUTPUT VOLTAGE	+18VDC
B) OUTPUT CURRENT	670mAMPS
C) OUTPUT POWER	12WATTS MAX
D) RIPPLE & NOISE	100mVp-p MAX. (PEAK TO PEAK MAXIMUM)(AT 20MHZ B.W)
E) LOAD REGULATION	17.46 TO 18.54 VDC(±3% 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	-20 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. 83.10% 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
F) WITHSTAND VOLTAGE	AT 25°C COLD START 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)IEC61000-4-2,3,4,5,6,8,11 (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