ELJINTEK, INC.

SWITCH MODE POWER SUPPLY
GPSU18X-0(UL/EN62368) SPECIFICATION

1)INPUT:

A) INPUT VOLTAGE RANGE	100 TO 240VAC (LIMIT: 90 TO 264 VAC)
B) INPUT FREQUENCY RANGE	47 TO 63 HZ
C) INPUT CURRENT	0.5A MAX
D) LEAKAGE CURRENT	0.25mA MAX.@240VAC/50HZ

2)OUTPUT:

A) OUTPUT VOLTAGE	+3.3VDC
B) OUTPUT CURRENT	2.45 AMAX.
C) OUTPUT POWER RANGE	8.1W MAX
D) RIPPLE & NOISE	100mVp-p MAX. (20MHZ BW)
E) LOAD REGULATION	3.07VDC~3.53VDC(±7% 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 +70℃ (SAFETY APPROVAL 0 TO 40℃)
B) STORAGE TEMPERATURE	-10 TO +85℃
C) RELATIVE HUMIDITY	5% TO 95% NON-CONDENSING
D) DERATING	FROM +40℃ DERATE LINEARLY TO 50% AT +70℃

4)GENERAL:

A) EFFICIENCY	AVG. EFF. 77.2% MINIMUM AT 115/230VAC EFF. 68.2% MINIMUM AT 230VAC@10%LOAD
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	90A MAX @ 230VAC AT 25℃ COLD START
F) WITHSTAND VOLTAGE	4242VDC 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℃ AMBIENT
I) EMC REGULATIONS	(A) EN55032: 2015+A1+A11: 2020 , Class B EN55035: 2017+A11: 2020 EN61000-3-2,3,IEC61000-4-2,3,4,5,6,8,11 (B) FCC 47 CFR PART 15 SUBPART B
J) SAFETY STANDARD	(A) UL/CUL 62368-1 2nd edition, (B) IEC62368-1:2014 (C) EN62368-1:2014+A11
K) ENERGY REQUIREMENTS	(A) DoE LEVEL VI (B) CoC VERSION 5 (C) ErP STEP2
L) WARRANTY	1YEAR

5)CONSTRUCTIONS:

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