

ELJINTEK, INC.

SWITCH MODE POWER SUPPLY

GMPU60X-1-1 SPECIFICATION

1)INPUT:

A) INPUT VOLTAGE RATING	100 TO 240VAC (LIMIT: 90 TO 264 VAC)
B) INPUT FREQUENCY RANGE	47 TO 63 HZ
C) INPUT CURRENT	1.5 – 0.8A
D) LEAKAGE CURRENT	0.1mA MAX.@240VAC/50HZ

2)OUTPUT:

A) OUTPUT VOLTAGE	+7.5VDC
B) OUTPUT CURRENT	6.0A MAX.
C) OUTPUT POWER RANGE	45W MAX
D) RIPPLE & NOISE	120mVp-p MAX. (20MHZ BW)
E) LOAD REGULATION	7.12VDC~7.87VDC(±5% MAXIMUM)
E) OVER VOLTAGE PROTECTION	YES. PROTECTED BY ZENER DIODE.
F) OVER CURRENT PROTECTION	YES. HICCUP MODE; AUTO-RECOVERY.
G) OUTPUT SHORT PROTECTION	YES. HICCUP MODE; AUTO-RECOVERY.

3)ENVIRONMENTAL:

A) OPERATING TEMPERATURE	-20 TO +70°C (SAFETY APPROVAL 0 TO 40°C)
B) STORAGE TEMPERATURE	-10 TO +85°C
C) RELATIVE HUMIDITY	5% TO 95% NON-CONDENSING
D) DERATING	FROM +40°C DERATE LINEARLY TO 50% AT +70°C

4)GENERAL:

A) EFFICIENCY	AVG. EFF. 87.73% MINIMUM AT 115VAC/230VAC
B) NO LOAD POWER CONSUMPTION	< 0.1W
C) HOLD-UP TIME	10mSEC MIN./ 115VAC AT FULL LOAD
D) LINE REGULATION	±1% MAXIMUM AT FULL LOAD
E) INRUSH CURRENT	90A MAX @ 230VAC AT 25°C COLD START
F) WITHSTAND VOLTAGE	5656 VDC FROM INPUT TO OUTPUT
G) INSULATION RESISTANCE	50 MΩ MINIMUM FROM INPUT TO GROUND
H) MEAN TIME BETWEEN FAILURE	100,000 HOURS MIN.AT FULL LOAD AT 25°C
I) EMC REGULATIONS	(A) IEC61000-3-2,3 ,IEC61000-4-2,3,4,5,6,8,11 (B) CISPR 11 (C) FCC 47 CFR Part18 Subpart B
J) SAFETY STANDARD	(A)ASNI/AAMI ES60601-1 (B)CAN/CSA C22.2 NO.60601-1 (C)EN60601-1 (D)IEC 60601-1
K) ENERGY REQUIREMENTS	(A)DoE LEVEL VI (B) CoC VERSION 5
L) WARRANTY	2 YEARS (100% LOAD 40°C ,12HOURS/DAY)

5)CONSTRUCATIONS:

A) SIZE	SHOWN AS DRAWING
B) ELECTRICAL CONSTRUCATION	CLASS II