

ELJINTEK, INC.

SWITCH MODE POWER SUPPLY

APSU25X-1(UL/EN62368) SPECIFICATION

1)INPUT:

A) INPUT VOLTAGE RANGE	100 TO 240VAC
B) INPUT FREQUENCY RANGE	47 TO 63 HZ
C) INPUT CURRENT	0.7A MAX
D) LEAKAGE CURRENT	0.25mA MAX.@240VAC/50HZ

2)OUTPUT:

A) OUTPUT VOLTAGE	+5VDC
B) OUTPUT CURRENT	4 AMPS
C) OUTPUT POWER	20WATTS MAX
D) RIPPLE & NOISE	100mVp-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 115/230VAC
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	95AMPS MAX. / 230VAC AT 25°C 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°C 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
J) SAFETY STANDARD	(B) FCC 47 CFR PART 15 SUBPART B (A) UL/CUL 62368-1 2 nd edition, (B) IEC62368-1:2014
K) ENERGY REQUIREMENTS	(C) EN62368-1:2014+A11 (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