

ELJINTEK, INC.

SWITCH MODE POWER SUPPLY

GPSN25A-13A(UL/EN62368) SPECIFICATION

1)INPUT:

A) INPUT VOLTAGE RANGE	100 TO 240VAC
B) INPUT FREQUENCY RANGE	47 TO 63 HZ
C) INPUT CURRENT	0.8A MAX
D) LEAKAGE CURRENT	ClassI :3.5mA or ClassII :0.25mA MAX.@240VAC/50HZ

2)OUTPUT:

A) OUTPUT VOLTAGE	+5VDC / 2.5 AMPS +12VDC / 1.2AMPS -5VDC / 0.3AMPS
B) OUTPUT POWER	28.5WATTS MAX
C) RIPPLE & NOISE	50mVp-p MAX. (+5VDC) 150mVp-p MAX.(+12VDC) 50mVp-p MAX.(-5VDC) (±1% PEAK TO PEAK MAXIMUM)(AT 20MHZ B.W) +5VDC(±5%),+12VDC(±5%),-5VDC(±5%), + 5VDC (±5% MAXIMUM) +12VDC (±10% MAXIMUM) -5VDC (±5% MAXIMUM)
D) FULL LOAD REGULATION	
E) CROSS LOAD REGULATION	

OUTPUT LEVEL	MIN. LOAD	HALF LOAD	MAX. LOAD
+5VDC	0.5A	1.25 A	2.5 A
+12VDC	0.24A	0.6A	1.2A
-5VDC	0.06A	0.15A	0.3A

F) OVER VOLTAGE PROTECTION

G) OVER CURRENT PROTECTION

H) OUTPUT SHORT PROTECTION

YES. PROTECTED BY ZENER DIODE.
YES. HICCUP MODE; AUTO-RECOVERY.
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(WHEN 5V OUTPUT SHORT ,ONLY 5V ACTIVE)

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. 81.20% MIN. AT 115/230VAC
B) NO LOAD POWER CONSUMPTION	< 0.3W
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 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 (A) UL/CUL 62368-1 2 nd edition, (B) IEC62368-1:2014 (C) EN62368-1:2014+A11
J) SAFETY STANDARD	(A) DoE LEVEL VI (B) CoC VERSION 5 (C) ErP STEP2
K) ENERGY REQUIREMENTS	
L) WARRANTY	1YEAR

5)CONSTRUCTIONS:

(A) SIZE	107.5 x 67 x 36 mm (LxWxH)
(B) ELECTRICAL CONSTRUCTION	CLASS I or CLASS II