

PSU.0007.0

96 W Single Output Switching Power Supply



■ Features :

Universal AC input / Full range High efficiency up to 88.5%

Protections: Short circuit / Over current / Over voltage / Over temperature

Cooling by free air convection Built-in active PFC function

Class 2 power unit

Pass LPS

100% full load burn-in test

High reliability

Suitable for LED lighting and moving sign applications Compliance to worldwide safety regulations for lighting

2 years warranty

SPECIFICATION













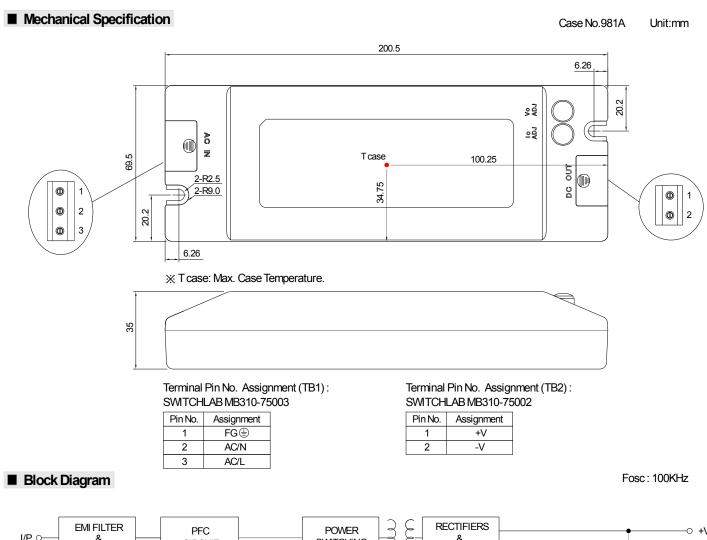
SPECIFIC	AIION	
ОИТРИТ	DC VOLTAGE	24V
	CONSTANT CURRENT REGION Note.4	18~24V
	RATED CURRENT Note.6	4A
	CURRENT RANGE Note.6	0~4A
	RATED POWER Note.6	96W
	RIPPLE & NOISE (max.) Note.2	150mVp-p
	VOLTAGE ADJ. RANGE(Vo ADJ)	20.4~24V
	CURRENT ADJ. RANGE(Io ADJ)	3~4A
	VOLTAGE TOLERANCE Note.3	±3.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±2.0%
	SETUP, RISE TIME	500ms, 80ms/230VAC 1200ms, 80ms/115VAC at full load
	HOLD UP TIME (Typ.)	60ms/230VAC 16ms/115VAC at full load
INPUT	VOLTAGE RANGE Note.5	90~264VAC 127~370VDC
	FREQUENCY RANGE	47~63Hz
	POWER FACTOR (Typ.)	PF>0.95/115VAC, PF>0.95/230VAC at full load (Please refer to "Power Factor Characteristic" curve)
	TOTAL HARMONIC DISTORTION	THD<20% when output loading≥75% at 115VAC/230VAC input
	EFFICIENCY (Typ.)	88.5%
	AC CURRENT (Typ.)	1.1A/115VAC 0.55A/230VAC
	INRUSH CURRENT (Typ.)	COLD START 40A(twidth=950µs measured at 50% lpeak) at 230VAC
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	3 units (circuit breaker of type B) / 5 units (circuit breaker of type C) at 230VAC
	LEAKAGE CURRENT	<0.75mA/240VAC
PROTECTION	OVER CURRENT (Typ.) Note.4	95~102%
		Protection type: Constant current limiting, recovers automatically after fault condition is removed
	OVER VOLTAGE	27~34V
		Protection type: Shut down and latch off o/p voltage, re-power on to recover
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover
ENVIRONMENT	WORKING TEMP.	-30 ~ +50°C (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 95% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%°C (0~50°C)
	VIBRATION	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS Note.7	UL1310, TUV EN60950-1, EN61347-1, EN61347-2-13, GB19510.14, GB19510.1, CAN/CSA C22.2 No. 223-M91(except for 48V), J61347-1, J61347-2-13 approved
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH
	EMC EMISSION	Compliance to EN55015, GB17743, GB17625.1, EN61000-3-2,-3, Class C (≧70% load) ; EN61000-3-3
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level, (surge 4KV), criteria A
OTHERS	MTBF	297.9Khrs min. MIL-HDBK-217F (25°C)
	DIMENSION	200.5*69.5*35mm (L*W*H)
	PACKING	0.52Kg; 25pcs/14Kg/0.65CUFT

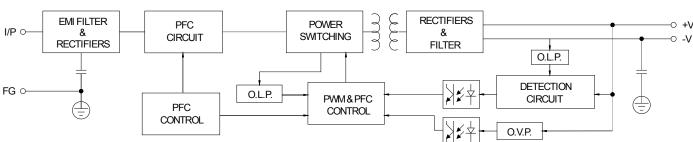




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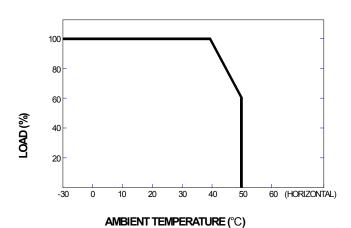
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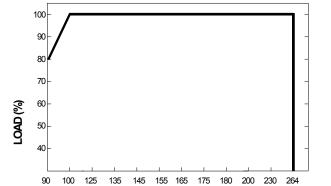




■ Static Characteristics

■ Derating Curve





INPUT VOLTAGE (V) 60Hz