

PSU.0005.0



30W Single Output LED Power Supply



■ Features :

Universal AC input/Full range

Adjustable output voltage and current level

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

Cooling by free air convection

Built-in constant current limiting circuit

Fully isolated plastic case with terminal block style of I/O

Built-in active PFC function, comply with EN61000-3-2 class C

(Pin≧25W)

Class ${\rm II}$ power unit, no FG

Class 2 power unit

100% full load burn-in test

High reliability

Suitable for LED lighting and moving sign applications (Note.2)

Compliance to worldwide safety regulations for lighting

2 vears warranty

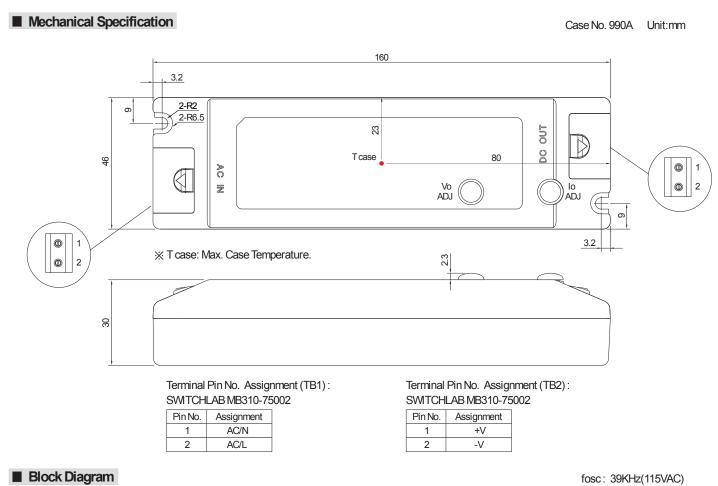
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SPECIFICATION SPECIFICATION		
	DC VOLTAGE	24V
ОИТРИТ	CONSTANT CURRENT REGION Note.6	16.8~24V
	RATED CURRENT	1.25A
	CURRENT RANGE	0~1.25A
	RATED POWER	30W
	RIPPLE & NOISE (max.) Note.2	2.4Vp-p
	VOLTAGE ADJ. RANGE Note.5	22.8~26.4V
	CURRENT ADJ. RANGE Note.5	0.938 ~ 1.288A
	VOLTAGE TOLERANCE Note.3	±10%
	LINE REGULATION	±3.0%
	LOAD REGULATION	±5.0%
	SETUP TIME	500ms / 230VAC 3000ms / 115VAC at full load
INPUT	VOLTAGE RANGE Note.4	90~264VAC 127~370VDC
	FREQUENCY RANGE	47~63Hz
	POWER FACTOR (Typ.)	PF>0.95/115VAC, PF>0.9/230VAC at full load (Please refer to "Power Factor Characteristic" curve)
	TOTAL HARMONIC DISTORTION	THD<20% when output loading≥70% at 115VAC/230VAC input
	EFFICIENCY (Typ.)	84%
	AC CURRENT (Typ.)	0.4A/115VAC 0.2A/230VAC
	INRUSH CURRENT (Typ.)	COLD START 35A(twidth=25µs measured at 50% lpeak) at 230VAC
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	64 units (circuit breaker of type B) / 64 units (circuit breaker of type C) at 230VAC
	LEAKAGE CURRENT	<0.5mA/ 240VAC
PROTECTION	OVER CURRENT	100~110%
		Protection type: Constant current limiting, recovers automatically after fault condition is removed
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed.
	OVER VOLTAGE	27~34V
		Protection type: Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover
	WORKING TEMP.	-30 ~ +50°C (Refer to "Derating Curve")
ENVIRONMENT	WORKING HUMIDITY	20~95% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40~+80°C, 10~95% RH
	TEMP. COEFFICIENT	±0.06%°C (0~50°C)
	VIBRATION	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
SAFETY &	SAFETY STANDARDS	UL1310, TUV EN61347-1, EN61347-2-13, GB19510.14, GB19510.1, CAN/CSA C22.2 No. 223-M91 (except for 48V), J61347-1, J61347-2-13 approve
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH
	EMC EMISSION	Compliance to EN55015, GB17743, GB17625.1,EN61000-3-2 Class C (Pin≥25W), Class D (>70% load); EN61000-3-3
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547, light industry level, criteria A
OTHERS	MTBF	625.5Khrs min. MIL-HDBK-217F (25°C)
	DIMENSION	160*46*30mm(L*W*H)
	PACKING	0.2Kg; 70pcs/15Kg/0.96CUFT

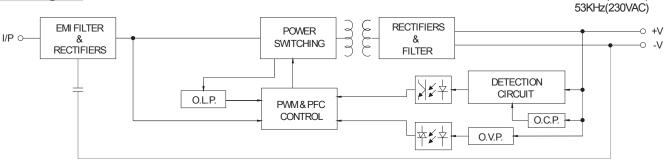


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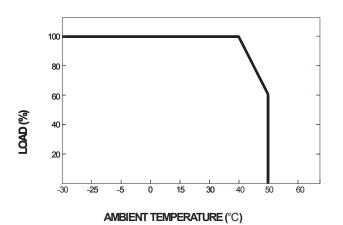
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■ Derating Curve



■ Static Characteristics

