



20W Single Output Switching Power Supply

LPC-20 series



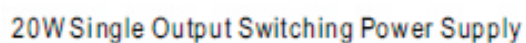
■ Features :

- Constant current mode power supply
- Universal AC input / Full range
- Epoxy encapsulated with IP67 level
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over current / Over voltage
- Fully isolated plastic case
- Cooling by free air convection
- Small and compact size
- UL1310 Class 2 power unit, pass LPS
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED lighting and moving sign applications
- 2 years warranty

LPS IP67 (for 48V only) US (except for 48V)

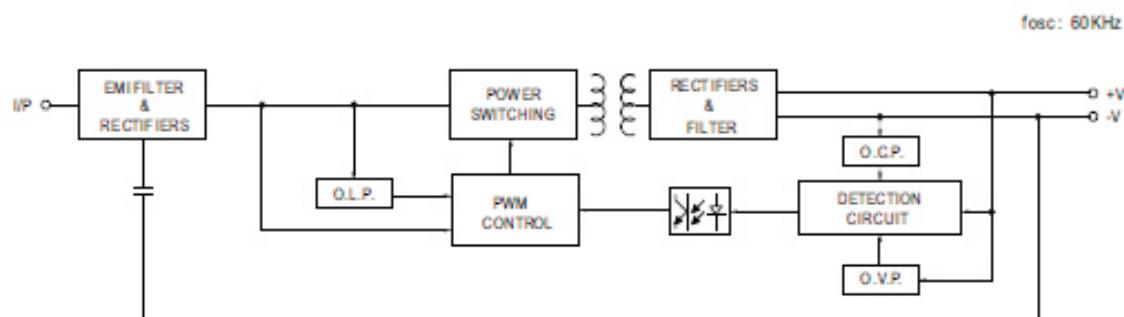
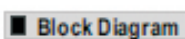
SPECIFICATION

MODEL	660-0261	706-6543
OUTPUT	RATED CURRENT	350mA
	DC VOLTAGE RANGE	9 ~ 48V
	RATED POWER	16.8W
	RIPPLE & NOISE (max.) Note.2	200mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±2.0%
	SETUP, RISE TIME Note.5	500ms, 250ms / 230VAC 500ms, 250ms / 115VAC at full load
	HOLD UP TIME (Typ.)	50ms/230VAC 24ms/115VAC at full load
INPUT	VOLTAGE RANGE	90 ~ 264VAC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	83%
	AC CURRENT	0.55A/115VAC 0.35A/230VAC
	INRUSH CURRENT(max.)	COLD START 35A/115VAC 70A/230VAC
PROTECTION	LEAKAGE CURRENT	0.25mA/240VAC
	CURRENT LIMIT Note.4	15% rated output current
	OVER VOLTAGE	Protection type : Constant current limiting type 50.4 ~ 60V 31.5 ~ 40.5V
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to output load derating curve)
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min/1cycle, period for 60min. each along X, Y, Z axes
	SAFETY STANDARDS	UL879, UL1310 Class 2, CAN/CSA C22.2 No. 223-M91 (except for 48V), IP67 approved, design refer to TUV EN60950-1, EN61347-2-13
	WITHSTAND VOLTAGE	IP-O/P: 3KVAC
	ISOLATION RESISTANCE	IP-O/P: >100M Ohms / 500VDC / 25°C / 70% RH
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B
	HARMONIC CURRENT	Compliance to EN61000-3-2-3
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; ENV50204, EN55024, light industry level, criteria A
	MTBF	786,500hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	118*35*26mm (L*W*H)
	PACKING	0.22Kg/60pcs/14.2Kg/0.62CUFT
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair wire terminated with a 0.1uF & 47uF parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Derating may be needed under low input voltage. Please check the derating curve for more details. 5. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.	



LPC-20 series

Case No. 972A Unit:mm



■ Static Characteristics

