



■ Features :

- Constant current design
- Universal AC input / Full range
- Protections:Short circuit / Over voltage
- Fully isolated plastic case
- Small and compact size
- Cooling by free air convection
- Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- IP30 design
- Suitable for LED lighting and moving sign applications
- 100% full load burn-in test
- Low cost / High reliability
- 2 years warranty

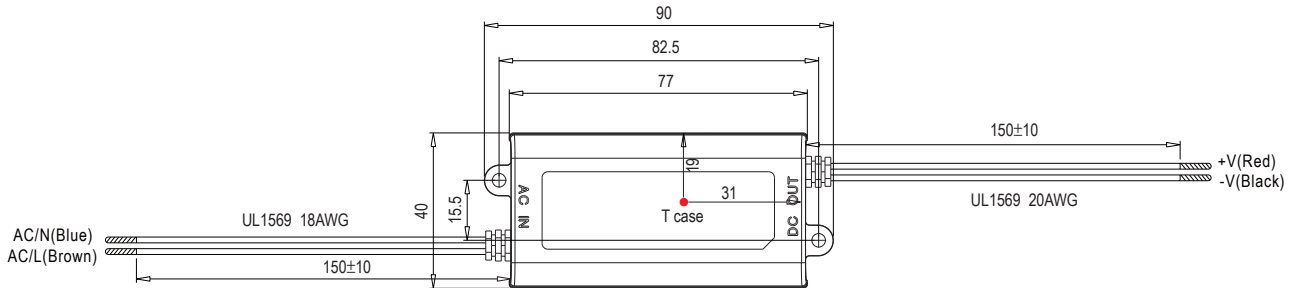


SPECIFICATION

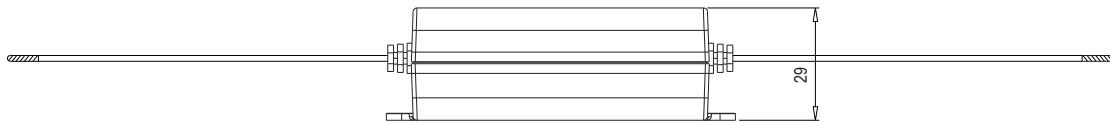
MODEL		APC-12-700
OUTPUT	RATED CURRENT	700mA
	DC VOLTAGE RANGE	9~18V
	RATED POWER	12.6W
	RIPPLE & NOISE (max.) Note.2	250mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%
	CURRENT ACCURACY	±8.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±3.0%
	SETUP, RISE TIME	3000ms, 180ms / 230VAC 3000ms, 150ms / 115VAC at full load
	HOLD UP TIME (Typ.)	20ms/230VAC, 15ms/115VAC at full load
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY(Typ.)	80%
	AC CURRENT	0.2A/230VAC;0.35A/115VAC
	INRUSH CURRENT(Typ.)	COLD START 70A(twidth=120µs measured at 50% Ipeak) at 230VAC
	LEAKAGE CURRENT	0.25mA / 240VAC
PROTECTION	OVER VOLTAGE	20.7~ 24.3V Protection type : Shut off o/p voltage, clamping by zener diode
	WORKING TEMP.	-30 ~ 70°C (Refer to "Derating Curve")
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.2%/°C (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC (Note 5)	SAFETY STANDARDS	UL8750, CSA C22.2 No.250.0-08 approved, Design refer to TUV EN61347-1
	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,EN61000-3-2 Class A,EN61000-3-3
OTHERS	EMC IMMUNITY	Compliance to EN61547,EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), criteria A
	MTBF	1145.7K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	77*40*29(L*W*H)
NOTE	PACKING	0.08Kg; 120pcs/11.8Kg/1.06CUFT
	<p>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 static characteristic for more details. 5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. 6. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit. 7. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains.</p>	

Mechanical Specification

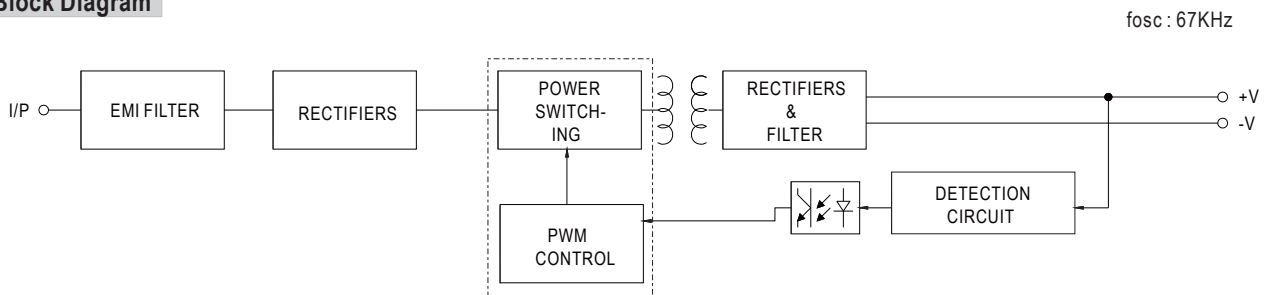
Unit:mm



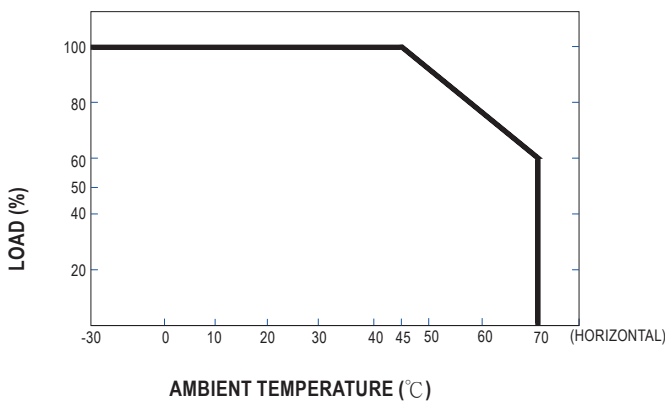
※ T case: Max. Case Temperature



Block Diagram



Derating Curve



Static Characteristics

