



■ Features :

- Constant current mode power supply
- Universal AC input / Full range
- Withstand 300VAC Surge input for 5 seconds
- Protections: Short circuit / Over voltage
- Fully isolated plastic case
- Small and compact size
- Cooling by free air convection
- IP30 design
- Pass LPS
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- Low cost / High reliability
- 2 years warranty

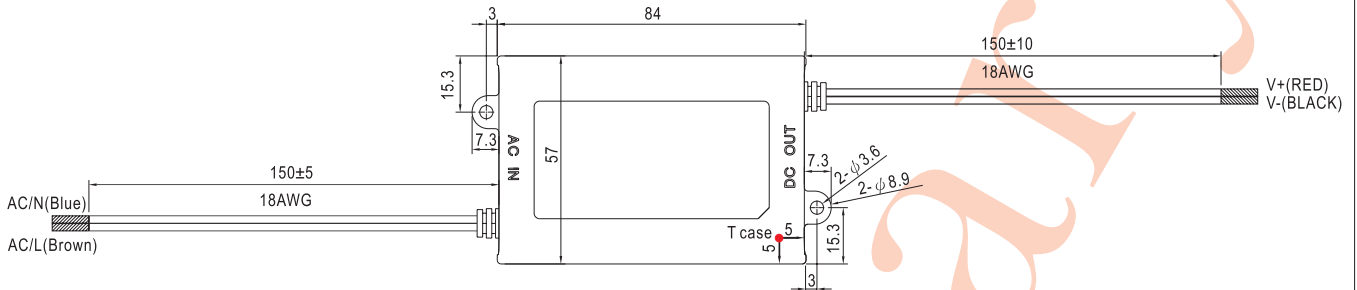


SPECIFICATION

MODEL	APC-35-350	APC-35-500	APC-35-700	APC-35-1050
OUTPUT	RATED CURRENT	350mA	500mA	700mA
	DC VOLTAGE RANGE	28~100V	25~70V	15~50V
	RATED POWER	35W	35W	35W
	RIPPLE & NOISE (max.) Note.2	350mVp-p	350mVp-p	350mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%	±5.0%	±5.0%
	CURRENT ACCURACY	±5.0%	±5.0%	±5.0%
	LINE REGULATION	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±3.0%	±3.0%	±3.0%
	SETUP, RISE TIME	1500ms, 40ms / 230VAC	1500ms, 40ms / 115VAC	at full load
INPUT	HOLD UP TIME (Typ.)	20ms/230VAC	12ms/115VAC	at full load
	VOLTAGE RANGE Note.4	90 ~ 264VAC	127 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY(Typ.)	84%	84%	84%
	AC CURRENT	0.7A/230VAC; 1.1A/115VAC		
	INRUSH CURRENT(max.)	Cold start 35A/115VAC, 70A/230VAC		
PROTECTION	LEAKAGE CURRENT	0.25mA / 240VAC		
	OVER VOLTAGE	110 ~ 130V	77 ~ 91V	55 ~ 65V
ENVIRONMENT	WORKING TEMP.	-30 ~ 70°C (Refer to "Derating Curve")		
	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 STANDARDS	Design refer to EN60950-1, UL8750		
SAFETY & EMC (Note 5)	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 EN55022, EN61000-3-2 Class A, EN61000-3-3		
	EMC IMMUNITY	Compliance to EN55024, EN61000-4-2, 3, 4, 5, 6, 8, 11; light industry level (surge 2KV), criteria A		
OTHERS	MTBF	K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	84*57*29.5(L*W*H)		
	PACKING	Kg: 72pcs/ Kg/ CUFT		
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 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.			

Mechanical Specification

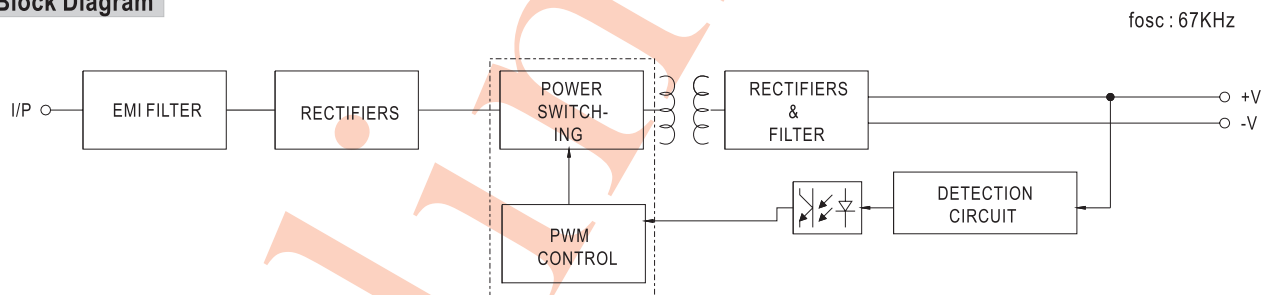
Case No.PCD16A Unit:mm



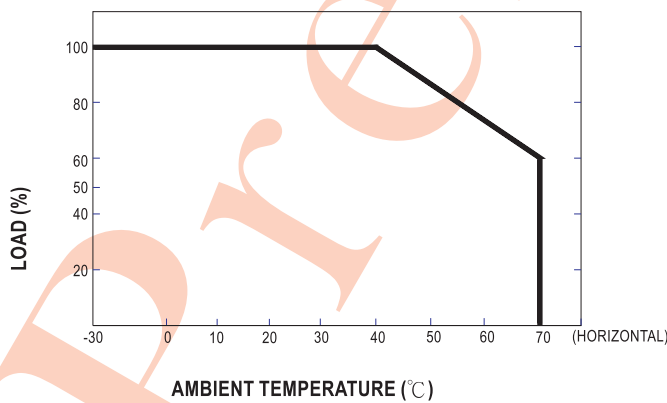
※ T case: Max. Case Temperature.



Block Diagram



Derating Curve



Static Characteristics

