



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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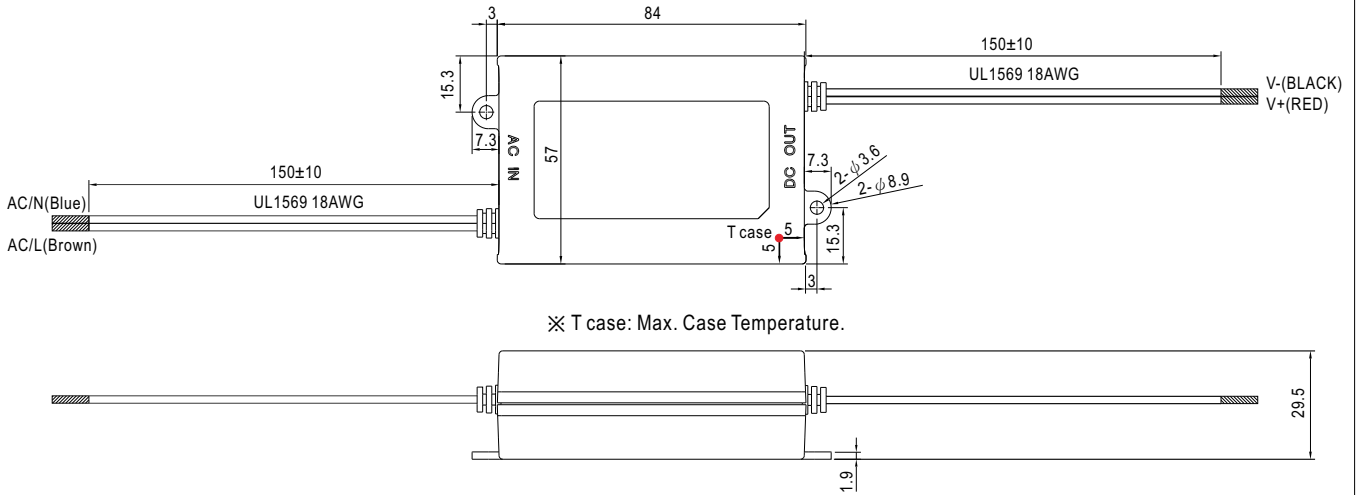
### ■ Features :

- 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
- IP42 design
- 100% full load burn-in test
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)
- Low cost / High reliability
- 2 years warranty

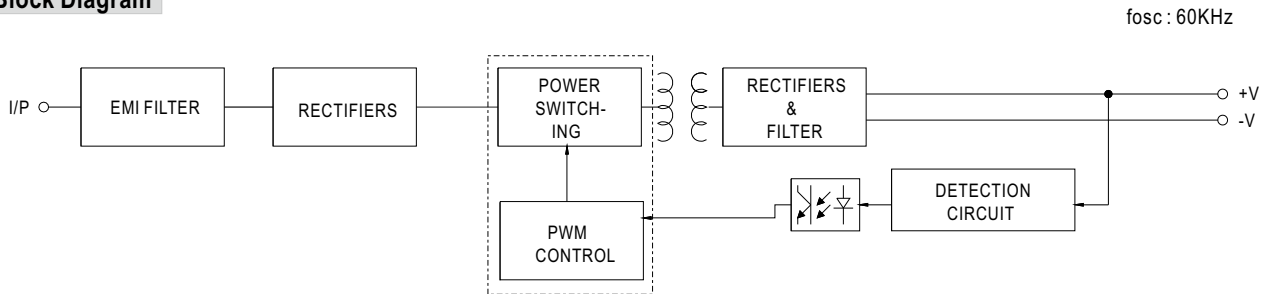
SPECIFICATION		IP42	LPS	(except for APC-35-350, APC-35-500)		IS 15885 (Part 2/Sec13)	R-41027766	UL	(only for APC-35-700)	cULus	(only for APC-35-1050)	EAC	CE
MODEL		APC-35-350	APC-35-500	APC-35-700	APC-35-1050								
OUTPUT	RATED CURRENT	350mA	500mA	700mA	1050mA								
	DC VOLTAGE RANGE	28~100V	25~70V	15~50V	11~33V								
	RATED POWER	35W	35W	35W	34.7W								
	RIPPLE & NOISE (max.) Note.2	350mVp-p	350mVp-p	350mVp-p	350mVp-p								
	VOLTAGE TOLERANCE Note.3	±5.0%											
	CURRENT ACCURACY	±8.0%											
	LINE REGULATION	±1.0%											
	LOAD REGULATION	±3.0%											
	SETUP, RISE TIME	1500ms, 40ms / 230VAC	1500ms, 40ms / 115VAC	at full load									
HOLD UP TIME (Typ.)	20ms/230VAC	12ms/115VAC	at full load										
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC	127 ~ 370VDC										
	FREQUENCY RANGE	47 ~ 63Hz											
	EFFICIENCY(Typ.)	84%	84%	84%	84%								
	AC CURRENT	0.5A/230VAC; 0.75A/115VAC											
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=490µs measured at 50% Ipeak) at 230VAC											
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	5 units (circuit breaker of type B) / 9 units (circuit breaker of type C) at 230VAC											
	LEAKAGE CURRENT	0.25mA / 240VAC											
PROTECTION	OVER VOLTAGE	110 ~ 130V	77 ~ 91V	55 ~ 65V	36 ~ 43V								
		Protection type : Shut down o/p voltage, re-power on to recover											
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 & EMC (Note 5)	SAFETY STANDARDS	UL8750 (only for APC-35-700&1050), CSA-C22.2 No. 250.0-13 (only for APC-35-1050), BIS IS15885, EAC TP TC 004, IP42 approved; design refer to EN60950-1											
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC											
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH											
	EMC EMISSION	Compliance to EN55032, EN61000-3-2 Class A, EN61000-3-3, EAC TP TC 020											
	EMC IMMUNITY	Compliance to EN55024, EN61000-4-2, 3, 4, 5, 6, 8, 11; light industry level (surge 2KV), criteria A, EAC TP TC 020											
OTHERS	MTBF	518.9K hrs min. MIL-HDBK-217F (25°C)											
	DIMENSION	84*57*29.5(L*W*H)											
	PACKING	0.18Kg; 72pcs/14Kg/0.92CUFT											
NOTE	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf &amp; 47µf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. Derating may be needed under low input voltage. Please check the static characteristic for more details.</li> <li>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.</li> <li>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.</li> </ol>												

**Mechanical Specification**

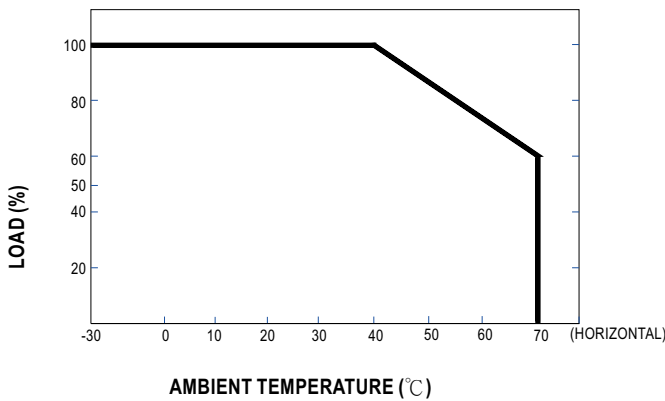
Case No.PCD16A Unit:mm



**Block Diagram**



**Derating Curve**



**Static Characteristics**

