



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!



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ALC12

SPECIFICATIONS

PA604-01-01E

ITEMS	MODEL		ALC12-36-R35	ALC12-18-R70
1	NOMINAL OUTPUT CURRENT	A	0.35	0.70
2	OUTPUT VOLTAGE RANGE (*3)	V	3 ~ 36	3 ~ 18
3	MAXIMUM AVERAGE OUTPUT POWER	W	12.6	
4	EFFICIENCY (TYP) (*1)	%	82	
5	INPUT VOLTAGE RANGE (*2)	-	90 ~ 277 VAC (47Hz ~ 63 Hz)	
6	INPUT CURRENT (TYP) ; 100VAC/200VAC	A	0.28/0.18 (LOAD: 100%)	
7	INRUSH CURRENT (TYP)	A	25 @ 100VAC, 50 @ 200VAC, Ta = 25°C, COLD START	
8	OUTPUT CURRENT ACCURACY (*1)	-	±5%	
9	TOTAL REGULATION (*3)	-	±5%	
10	SHORT CIRCUIT PROTECTION	A	AUTOMATIC RECOVERY	
11	OVER VOLTAGE PROTECTION (*4)	-	>110%	
12	TURN ON TIME	mS	<200	
13	OPERATING TEMPERATURE (*7)	°C	-10 ~ +70 (Refer to output derating curve)	
		-	Guarantee start up at -20°C	
14	IP CLASS	-	IP66	
15	OPERATING HUMIDITY	%RH	15~90%RH (NO DEWDROP)	
16	STORAGE TEMPERATURE	°C	-30 ~ +85	
17	STORAGE HUMIDITY	%RH	15~90%RH (NO DEWDROP)	
18	COOLING	-	CONVECTION COOLED	
19	WITHSTAND VOLTAGE	-	INPUT-OUTPUT...3KVAC, 1 min (20mA Max)	
20	ISOLATION RESISTANCE	-	>100MΩ AT 25°C AND 70 %RH. INPUT-OUTPUT : 500 VDC	
21	LEAKAGE CURRENT (*5)	mA	< 0.25	
22	VIBRATION	-	10 ~ 55HZ Amplitude less than 1.65mm p-p (max 19.6m/s ²), Sweep 1 min X,Y,Z 30mins each	
23	SHOCK (IN PACKAGE)	-	LESS THAN 196.1m/s ²	
24	EMI (CONDUCTED & RADIATED EMISSION)	-	Built to meet EN55015-B ; EN55022-B ; VCCI-B ; CISPR 22-B ; FCC-B	
25	IMMUNITY	-	Built to meet EN61000-4-2(Level 3), -3(Level 3), -4(Level 3), -5(Level 2), -6(Level 3), -8(Level 4), -11	
26	SAFETY STANDARD	-	UL1310 (CLASS 2) ; IEC61347-1; IEC61347-2-13; CE, DEN-AN 2	
27	WEIGHT (TYP)	g	84	
28	DIMENSION (L × W × H)	mm	90 x 34.5 x 21 (Refer to Outline Drawing)	

* Read instruction manual carefully , before using the power supply unit.

NOTES :

*1 : AT Vin = 230VAC & MAXIMUM AVERAGE OUPUT POWER , Ta = 25°C.

*2 : FOR CASES WHERE CONFORMANCE TO VARIOUS SAFETY SPECS (UL,CSA,EN) ARE REQUIRED, TO BE DESCRIBED AS 100-240VAC, 50/60HZ ON NAME PLATE.

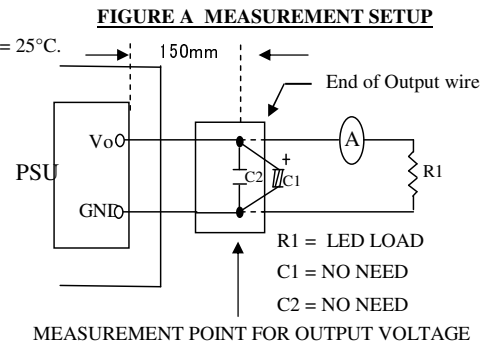
*3 : REFER TO FIG. A FOR MEASUREMENT DETERMINATION OF OUTPUT VOLTAGE/CURRENT REGULATION.

*4 : OVP CIRCUIT WILL SHUTDOWN OUTPUT, MANUAL RESET (RE-POWER ON).

*5 : AT 277VAC, 60Hz , Ta = 25°C.

*6 : ALL PARAMETERS NOT SPECIFICALLY MENTIONED ARE MEASURED @ 230VAC INPUT,RATED LOAD AND Ta = 25°C.

*7 : FOR CASES WHERE CONFORMANCE TO UL SAFETY SPECS, OPERATING TEMPERATURE IS -10 ~ +50°C.



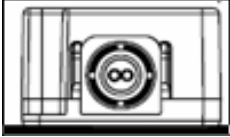
MEASUREMENT POINT FOR OUTPUT VOLTAGE

ALC12

PA604-01-02

DERATING CURVE

***COOLING : CONVECTION COOLING**

Ta (°C)	LOAD (%)	STANDARD MOUNTING
-10 ~ +60	100	
70	90	

