

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.

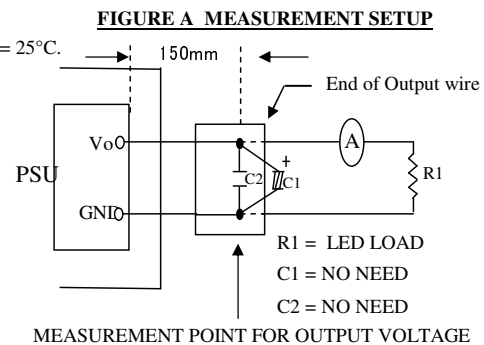
*3 : REFER TO FIG. A FOR MEASUREMENT DETERMINATION OF OUTPUT VOLTAGE/CURRENT REGULATION.

*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.



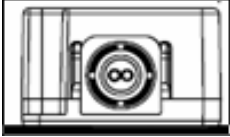
MEASUREMENT POINT FOR OUTPUT VOLTAGE

ALC12

PA604-01-02

DERATING CURVE

***COOLING : CONVECTION COOLING**

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

