

**LDC12**

SPECIFICATIONS

PA604-01-01

ITEMS		MODEL	LDC12-36-R35	LDC12-18-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 (*1)	A	0.28/0.18	
7	INRUSH CURRENT (TYP)	A	25 @ 100VAC, 50 @ 200VAC, Ta = 25°C, COLD START	
8	OUTPUT CURRENT ACCURACY (*3)	%	±5	
9	SHORT CIRCUIT PROTECTION	A	AUTOMATIC RECOVERY	
10	OVER VOLTAGE PROTECTION (*4)	-	>110%	
11	TURN ON TIME	mS	<200	
12	OPERATING TEMPERATURE (*7)	°C	-10 ~ +60 (Guarantee start up at -20°C)	
13	IP CLASS		IP66	
14	OPERATING HUMIDITY	%RH	15~90%RH (NO DEWDROP)	
15	STORAGE TEMPERATURE	°C	-30 ~ +85	
16	STORAGE HUMIDITY	%RH	15~90%RH (NO DEWDROP)	
17	COOLING	-	CONVECTION COOLED	
18	WITHSTAND VOLTAGE	-	INPUT-OUTPUT...3KVAC, 1 min (20mA Max)	
19	ISOLATION RESISTANCE	-	>100MΩ AT 25°C AND 70 %RH. INPUT-OUTPUT : 500 VDC	
20	LEAKAGE CURRENT (*5)	mA	< 0.25	
21	VIBRATION	-	10 ~ 55HZ Amplitude less than 1.65mm p-p (max 19.6m/s <sup>2</sup> ), Sweep 1 min X,Y,Z 30mins each	
22	SHOCK (IN PACKAGE)	-	LESS THAN 196.1m/s <sup>2</sup>	
23	EMI (CONDUCTED & RADIATED EMISSION)	-	Built to meet EN55015-B ; EN55022-B ; VCCI-B ; CISPR 22-B ; FCC-B	
24	IMMUNITY	-	Built to meet EN61000-4-2(Level 3), -3(Level 3), -4(Level 3), -5(Level 3), -6(Level 3), -8(Level 4), -11	
25	SAFETY STANDARD	-	UL1310 (CLASS 2) ; IEC61347-1; IEC61347-2-13; CE	
26	WEIGHT (TYP)	g	84	
27	DIMENSION (L × W × H)	mm	90 x 34.5 x 21 (Refer to Outline Drawing)	
28	Warranty	Year	3	

\* 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.

**FIGURE A MEASUREMENT SETUP**

