

SINGLE OUTPUT LED POWER SUPPLY

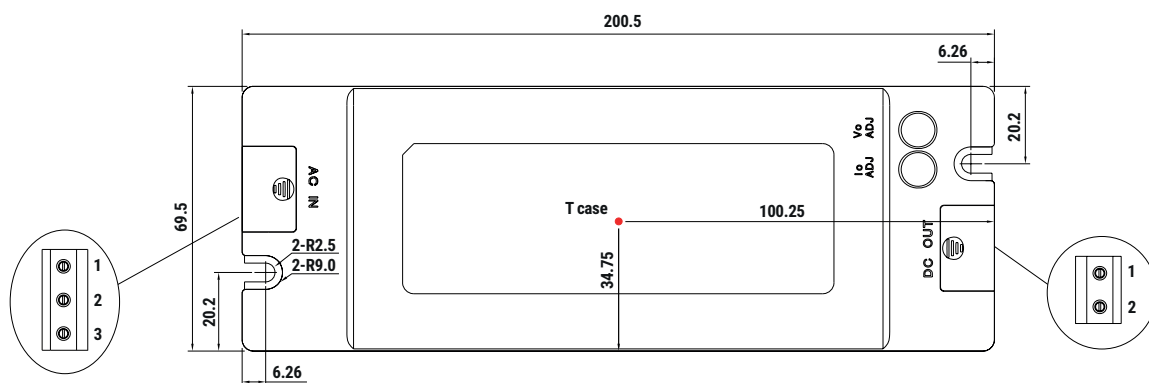
ALIM. PLC-100

100W



	003795						
Model	PLC-100-12	PLC-100-15	PLC-100-20	PLC-100-24	PLC-100-27	PLC-100-36	PLC-100-48
OUTPUT							
DC Voltage	12V	15V	20V	24V	27V	36V	48V
Constant Current Region Note.6	9 ~ 12V	11.25 ~ 15V	15 ~ 20V	18 ~ 24V	20.25 ~ 27V	27 ~ 36V	36 ~ 48V
Rated Current	5A	5A	4.8A	4A	3.55A	2.65A	2A
Current Range	0 ~ 5A	0 ~ 4A	0 ~ 4.8A	0 ~ 4A	0 ~ 3.55A	0 ~ 2.65A	0 ~ 2A
Rated Power	60W	75W	96W	96W	95.85W	95.4W	96W
Ripple & Noise (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p
Voltage ADJ. Range Note.5	10.2 ~ 12V	12.8 ~ 15V	17 ~ 20V	20.4 ~ 24V	23 ~ 27V	30.6 ~ 36V	40.8 ~ 48V
Current ADJ. Range Note.5	3.75 ~ 5A	3.75 ~ 5A	3.6 ~ 4.8A	3 ~ 4A	2.6 ~ 3.55A	2 ~ 2.65A	1.5 ~ 2A
Voltage Tolerance Note.3	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%
Line Regulation	±1.0%						
Load Regulation	±2.0%						
Setup Time	500ms, 80ms/230VAC 1200ms, 80ms/115VAC at full load						
Hold up Time (Typ.)	60ms/230VAC 16ms/115VAC at full load						
INPUT							
Voltage Range Note.4	90 ~ 264VAC 127 ~ 370VDC						
Frequency Range	47 ~ 63Hz						
Power Factor (Typ.)	PF>0.95/115VAC, PF>0.95/230VAC at full load (Please refer to «Power Factor Characteristic» curve)						
Total Harmonic Distortion	THD< 20% when output loading ≥75% at 115VAC/230VAC input						
Efficiency (Typ.)	83%	85%	88.5%	88.5%	88%	88%	88.5%
AC Current (Typ.)	12V:0.8A/115VAC 0.4A/230VAC 15V:0.9A/115VAC 0.45A/230VAC 20V ~ 48V:1.1A/115VAC 0.55A/230VAC						
Inrush Current (Typ.)	COLD START 40A (twidth=950µs measured at 50% Ipeak) at 230VAC						
MAX. No. of PSUs on 16A Circuit Breaker	3 units (circuit breaker of type B) / 5 units (circuit breaker of type C) at 230VAC						
Leakage Current	<0.75mA / 240VAC						
PROTECTION							
Over Current	95 ~ 102%						
	Protection type : Constant current limiting, recovers automatically after fault condition is removed						
Over Voltage	13 ~ 16V	16.5 ~ 20V	22 ~ 27V	27 ~ 34V	30 ~ 36V	39 ~ 48V	52 ~ 64V
	Protection type : Shut down o/p voltage, re-power on to recover						
Over Temperature	Shut down o/p voltage, re-power on to recover						
ENVIRONMENT							
Working Temp.	-30 ~ +50°C (Refer to «Derating Curve»)						
Working Humidity	20 ~ 95% RH non-condensing						
Storage Temp. Humidity	-40 ~ +80°C, 10 ~ 95% RH						
Temp. Coefficient	±0.03% / °C (0 ~ 50°C)						
Vibration	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes						
Safety Standards Note. 7	UL1310, TUV EN60950-1, EN61347-1, EN61347-2-13, GB19510.14, GB19510.1, CAN/CSA C22.2 No. 223-M91 (except for 48V), J61347-1, J61347-2-13 approved						
Withstand Voltage	I/P-O/P : 3.75KVAC I/P-FG : 2KVAC O/P-FG : 0.5KVAC						
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH						
EMC Emission	Compliance to EN55015, GB17743, GB17625.1, EN61000-3-2,-3, Class C (70% load) ; EN61000-3-3						
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level, (surge 4KV), criteria A						
OTHERS							
MTBF	297.9Khrs min. MIL-HDBK-217F (25°C)						
Dimension	200.5*69.5*35mm (L*W*H)						
Packing	0.52Kg; 25pcs / 14Kg / 0.65CUFT						

ALiM. PLC-100 - 100W



※ T case: Max. Case Temperature.

