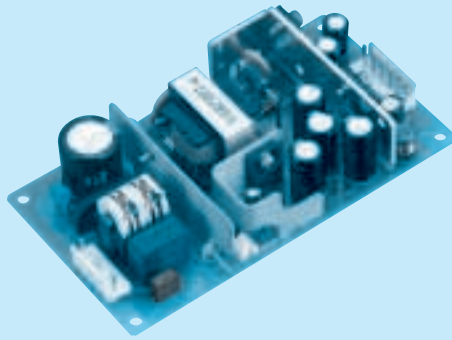


LCC30A

LC C 30 A -1 -□

① ② ③ ④ ⑤ ⑥

c **RoHS**



- ① Series name
- ② Multiple output
- ③ Output wattage
- ④ 100/120V input
- ⑤ Output voltage combination
- ⑥ Optional *6
 A :G2 - V3 Common
 C :with Coating
 G :Low leakage current
 Y :with Potentiometer

MODEL	LCC30A-1		LCC30A-2		LCC30A-3		LCC30A-4	
DC OUTPUT	V1	5V 3.0(Peak 4.5)A	5V 3.0(Peak 4.5)A	5V 3.0(Peak 4.5)A	5V 3.0(Peak 4.5)A	5V 3.0(Peak 4.5)A	5V 3.0(Peak 4.5)A	5V 3.0(Peak 4.5)A
	V2	12V 1.2(Peak 2.0)A	15V 1.0(Peak 2.0)A	15V 1.0(Peak 2.0)A	24V 0.5(Peak 1.3)A	24V 0.5(Peak 1.3)A	12V 1.2(Peak 2.0)A	12V 1.2(Peak 2.0)A
	V3 *1	12V 0.3(Peak 0.45)A	15V 0.3(Peak 0.45)A	15V 0.3(Peak 0.45)A	5V 0.5(Peak 0.75)A	5V 0.5(Peak 0.75)A	5V 0.5(Peak 0.75)A	5V 0.5(Peak 0.75)A

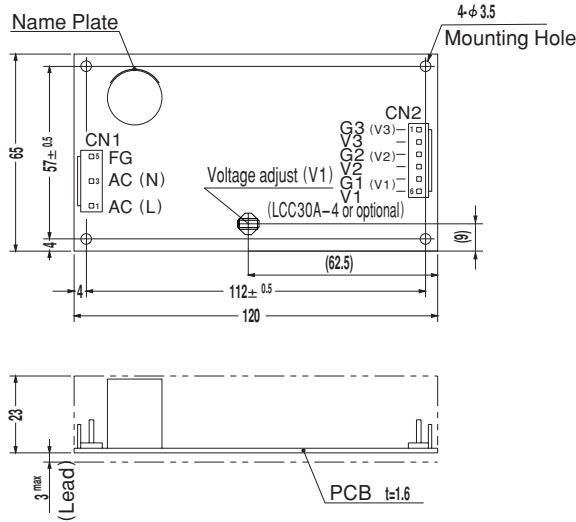
SPECIFICATIONS

	MODEL	LCC30A-1			LCC30A-2			LCC30A-3			LCC30A-4			
	INPUT	VOLTAGE[V]	AC85 - 132 1 φ or DC110 - 170											
	CURRENT[A]	ACIN 100V	0.8typ (Io=100%)											
	FREQUENCY[Hz]	47 - 440 or DC												
	EFFICIENCY[%]	ACIN 100V	72typ (Io=100%)									67typ (Io=100%)		
	INRUSH CURRENT[A]	ACIN 100V	25typ (Io=100%) (At cold start)											
	LEAKAGE CURRENT[ma]	0.5 max (60Hz, by UL and DEN-AN)												
OUTPUT	VOLTAGE[V]	5	12	12	5	15	15	5	24	5	3.3	12	5	
	CURRENT[A]	*2 0-3.0(Peak 4.5)	0-1.2(Peak 2.0)	0-1.2(Peak 0.45)	0-3.0(Peak 4.5)	0-1.0(Peak 2.0)	0-0.3(Peak 0.45)	0-3.0(Peak 4.5)	0-0.5(Peak 1.3)	0-0.5(Peak 0.75)	0-4.0(Peak 6.0)	0-1.2(Peak 2.0)	0-0.5(Peak 0.75)	
	LINE REGULATION[mV]	20max	48max	48max	20max	60max	60max	20max	100max	20max	20max	48max	20max	
	LOAD REGULATION[mV]	100max	120max	150max	100max	120max	150max	100max	150max	100max	40max	120max	100max	
	RIPPLE[mVp-p]	0 to +50°C *3	100max	120max	120max	100max	120max	120max	100max	120max	120max	80max	120max	120max
		-10 - 0°C *3	150max	160max	160max	150max	160max	160max	150max	160max	160max	140max	160max	160max
	RIPPLE NOISE[mVp-p]	0 to +50°C *3	120max	150max	150max	120max	150max	150max	120max	150max	150max	120max	150max	150max
		-10 - 0°C *3	170max	180max	180max	170max	180max	180max	170max	180max	180max	160max	180max	180max
	TEMPERATURE REGULATION[mV]	0 to +50°C	50max	350max	350max	50max	350max	350max	50max	480max	350max	50max	350max	350max
		-10 to +50°C	60max	420max	420max	60max	420max	420max	60max	580max	420max	60max	420max	420max
	DRIFT[mV]	*4	20max	—	—	20max	—	—	20max	—	—	20max	—	—
	START-UP TIME[ms]	100max (ACIN 85V, Io=100%)												
	HOLD-UP TIME[ms]	10typ (ACIN 85V, Io=100%) , 20typ (ACIN 100V, Io=100%)												
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	*5	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	3.00 - 3.60	Fixed	Fixed	
OUTPUT VOLTAGE SETTING[V]		4.9 to 5.3	11.4 to 12.6	11.4 to 12.6	4.9 to 5.3	14.25 to 15.75	14.25 to 15.75	4.9 to 5.3	22.8 to 25.2	4.75 to 5.25	—	11.4 to 12.6	4.75 to 5.25	
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically												
	OVERVOLTAGE PROTECTION	Works at 115 - 140% of rating (V1 only)												
	OPERATING INDICATION	Not provided												
	REMOTE SENSING	Not provided												
ISOLATION	REMOTE ON/OFF	Not provided												
	INPUT-OUTPUT	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)												
	INPUT-FG	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)												
	OUTPUT-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)												
ENVIRONMENT	OUTPUT-OUTPUT(V1,V2,V3)	AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩ min (At Room Temperature)												
	OPERATING TEMP.,HUMID.AND ALTIITUDE	-10 to +60°C, 20 - 90%RH (Non condensing), 3,000m (10,000feet)												
	STORAGE TEMP.,HUMID.AND ALTIITUDE	-20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet)												
	VIBRATION	10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis												
SAFETY AND NOISE REGULATIONS	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis												
	AGENCY APPROVALS	UL60950-1, C-UL Complies with DEN-AN (At only AC input)												
	CONDUCTED NOISE	Complies with FCC-B, VCCI-B												
OTHERS	CASE SIZE/WEIGHT	65 X 26 X 120mm (W X H X D) / 170g max												
	COOLING METHOD	Convection												

*1 Because V2 - V3 is isolated, V3 can be as used -VOUT.
 *2 Peak load for 10sec. or less is acceptable if the peak total wattage is less than the rated wattage(-1: 33W, -2: 34.5W, -3: 34.5W, -4: 34.5W).When the load of V1 is 0A, other output can be drawn by 80% of rated current.
 *3 Measured by 20MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN:RM101).

*4 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C with the input voltage held constant at the rated input/output.
 *5 Adjustment of output voltage for V1 (+5V+5%) is possible (Optional). Please refer to 2.5 minimum output current and 4.2 derating.
 *6 Please contact us about safety approvals for the model with option.
 * Avoid prolonged use under over-load.

External view



I/O Connector	Mating Connector	Terminal
CN1	B3P5-VH	Chain:SVH-21T-P1.1
		Loose:BVH-21T-P1.1
CN2	VHR-6N	Chain:SVH-21T-P1.1
		Loose:BVH-21T-P1.1

(Mft:J.S.T.)

<PIN CONNECTION>

CN1

Pin No	Input
1	AC(L)
2	AC(N)
3	
4	FG
5	

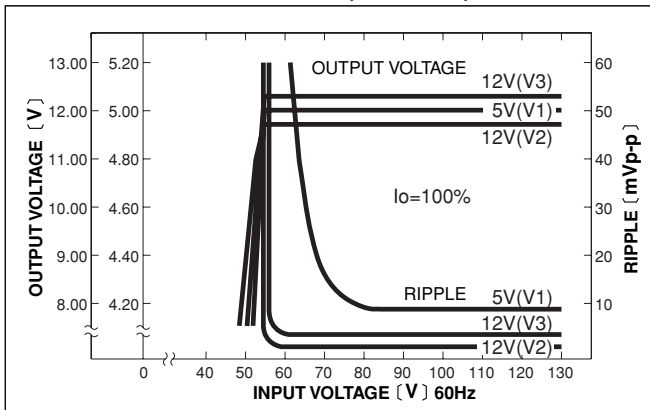
CN2

Pin No	Input
1	G3
2	V3
3	G2
4	V2
5	G1
6	V1

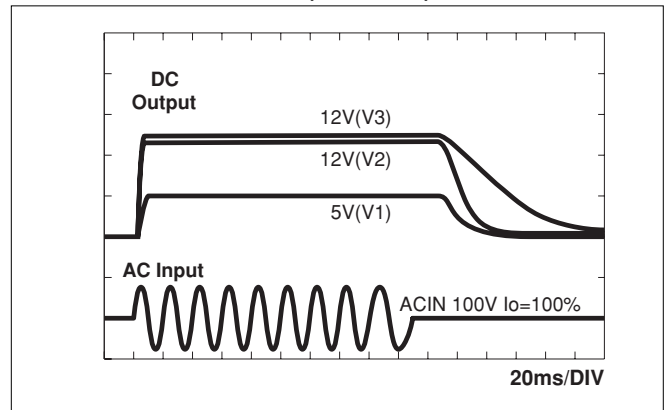
- ※Tolerance : ±1
- ※Weight : 170g or less
- ※PCB Material : Glass composite (CEM3)
- ※Dimensions in mm
- ※Mounting torque : 0.6N·m (6.3kgf·cm) max
- ※All output isolated

Performance data

■STATIC CHARACTERISTICS (LCC30A-1)

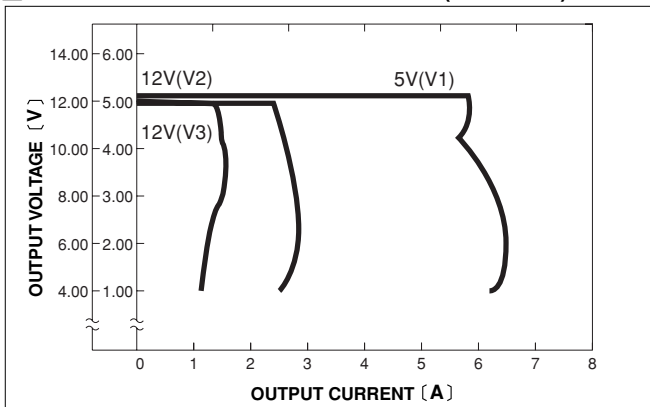


■RISE TIME & FALL TIME (LCC30A-1)



LCC

■OVERCURRENT CHARACTERISTICS (LCC30A-1)



■DERATING CURVE

