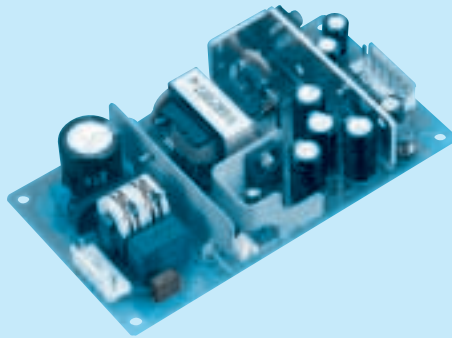


LCC30A

LC C 30 A -1 -

① ② ③ ④ ⑤ ⑥

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	3.3V 4.0(Peak 6.0)A
	V2	12V 1.2(Peak 2.0)A	15V 1.0(Peak 2.0)A	24V 0.5(Peak 1.3)A	12V 1.2(Peak 2.0)A
	V3 *1	12V 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

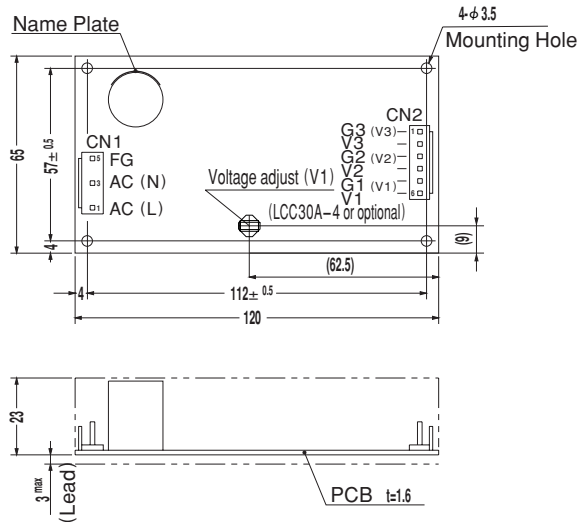
SPECIFICATIONS

	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 - 0.3(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℃ *3	100max	120max	120max	100max	120max	120max	100max	120max	120max	80max	120max	120max	
		-10 - 0℃ *3	150max	160max	160max	150max	160max	160max	150max	160max	160max	140max	160max	160max	
	RIPPLE NOISE[mVp-p]	0 to +50℃ *3	120max	150max	150max	120max	150max	150max	120max	150max	150max	120max	150max	150max	
		-10 - 0℃ *3	170max	180max	180max	170max	180max	180max	170max	180max	180max	160max	180max	180max	
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	350max	350max	50max	350max	350max	50max	480max	350max	50max	350max	350max	
		-10 to +50℃	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												
	REMOTE ON/OFF		Not provided												
ISOLATION	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)												
	OUTPUT-OUTPUT(V1,V2,V3)		AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩ min (At Room Temperature)												
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +60℃, 20 - 90%RH (Non condensing), 3,000m (10,000feet)												
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 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												
	IMPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis												
SAFETY AND NOISE REGULATIONS	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		65×26×120mm (W×H×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	VHR-5N
		Chain:SVH-21T-P1.1
		Loose:BVH-21T-P1.1
CN2	B6P-VH	VHR-6N
		Chain:SVH-21T-P1.1
		Loose:BVH-21T-P1.1

(Mft.:J.S.T.)

<PIN CONNECTION>

CN1		CN2	
Pin No	Input	Pin No	Input
1	AC(L)	1	G3
2		2	V3
3	AC(N)	3	G2
4		4	V2
5	FG	5	G1
		6	V1

※Tolerance : ±1

※Weight : 170g or less

※PCB Material : Glass composite (CEM3)

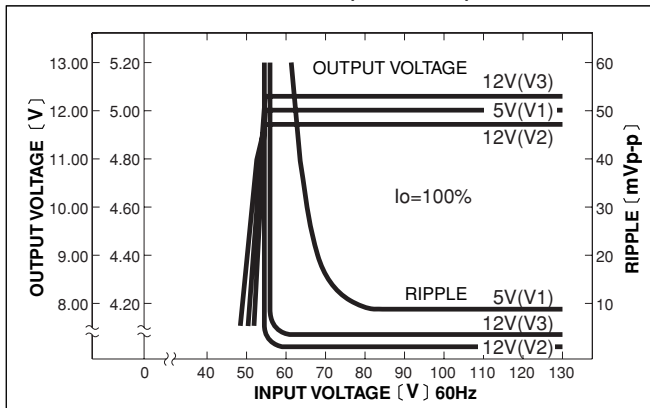
※Dimensions in mm

※Mounting torque : 0.6N·m (6.3kgf·cm) max

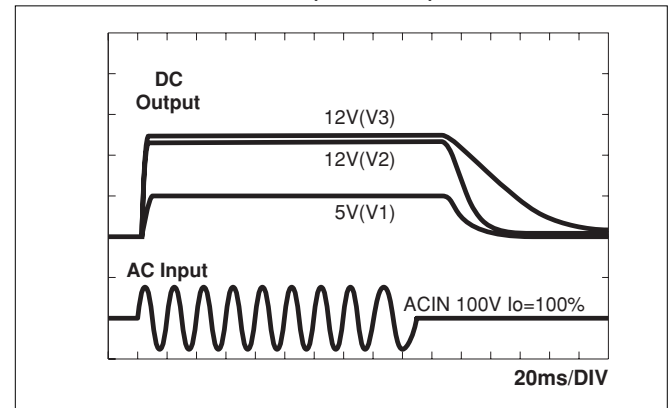
※All output isolated

Performance data

■STATIC CHARACTERISTICS (LCC30A-1)

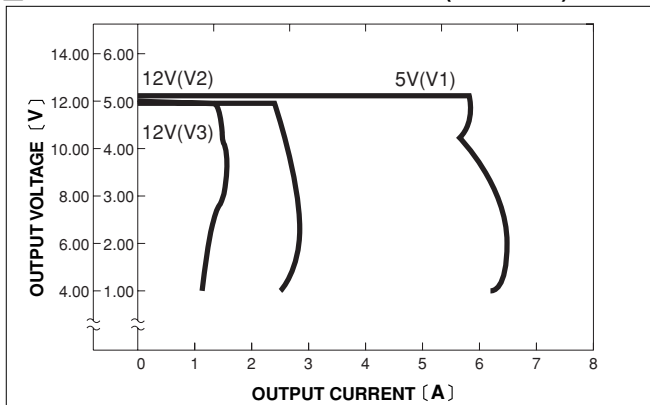


■RISE TIME & FALL TIME (LCC30A-1)

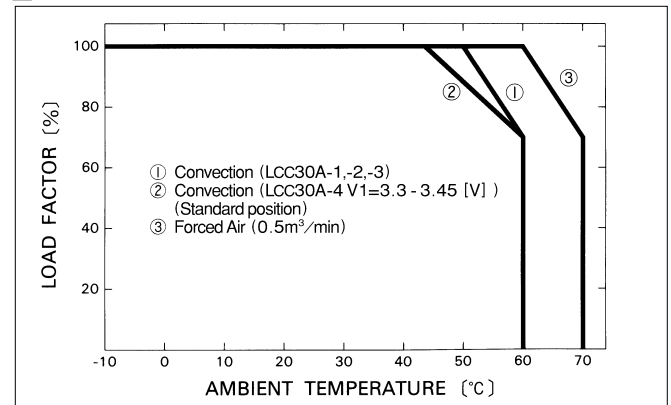


LCC

■OVERCURRENT CHARACTERISTICS (LCC30A-1)



■DERATING CURVE



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cosel:

[LCC30A-1-C](#) [LCC30A-1](#) [LCC30A-1-G](#) [LCC30A-4-AC](#) [LCC30A-3-G](#) [LCC30A-2-A](#) [LCC30A-3-AC](#) [LCC30A-2-Y](#)
[LCC30A-2-AC](#) [LCC30A-1-A](#) [LCC30A-3-Y](#) [LCC30A-1-Y](#) [LCC30A-3-C](#) [LCC30A-2-C](#) [LCC30A-3-CY](#) [LCC30A-1-AC](#)
[LCC30A-4-G](#) [LCC30A-3-A](#) [LCC30A-4](#) [LCC30A-2](#) [LCC30A-1-CGY](#) [LCC30A-3](#) [LCC30A-4-C](#) [LCC30A-1-AY](#)
[LCC30A-2-G](#) [LCC30A-1-CY](#) [LCC30A-4-A](#)