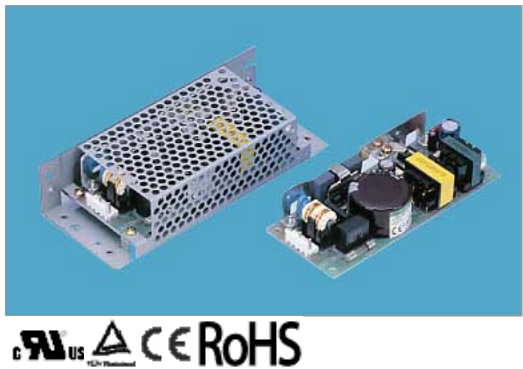


LDA30F



Features

- Input range LDA10 - 75F (AC85 - 264V)
- Input range LDA100 - 300W (AC85 - 132V/AC170 - 264V)
- Autoranging input
- Rugged PCB type
- Built-in Inrush Current Protection
- RoHS Compliant

Safety Agency Approvals

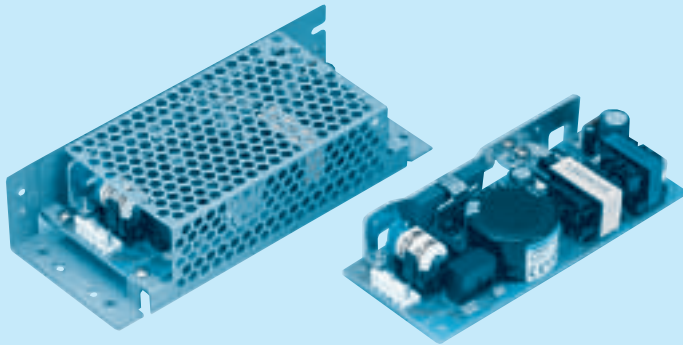
- Complies with DEN-AN
- UL1950, C-UL recognized, TUV approved
- UL recognized, TUV approved, CSA certified (LDA10F - LDA150W)

EMI Compliance

- FCC-B
- CISPR22-B
- EN55022-B
- VCCI-B

2 year warranty(refer to Instruction Manual)

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
LDA30F-3	DC 110 - 370 AC 85 - 264	18	3V 6A
LDA30F-5	DC 110 - 370 AC 85 - 264	30	5V 6A
LDA30F-12	DC 110 - 370 AC 85 - 264	30	12V 2.5A
LDA30F-15	DC 110 - 370 AC 85 - 264	30	15V 2A
LDA30F-24	DC 110 - 370 AC 85 - 264	31.2	24V 1.3A


**Recommended Noise Filter
NAC-06-472**


High voltage pulse noise type : NAP series
Low leakage current type : NAM series
* The Noise Filter is recommended
to connect with several devices.

- ① Series name
② Output wattage
③ Universal input
④ Output voltage
⑤ Optional
C : with Coating
G : Low leakage current
S : with Chassis
SN : with Chassis & cover
Y : with Potentiometer

MODEL	LDA30F-3	LDA30F-5	LDA30F-12	LDA30F-15	LDA30F-24
MAX OUTPUT WATTAGE[W]	18	30	30	30	31.2
DC OUTPUT	3V 6.0A	5V 6.0A	12V 2.5A	15V 2.0A	24V 1.3A

SPECIFICATIONS

	MODEL	LDA30F-3	LDA30F-5	LDA30F-12	LDA30F-15	LDA30F-24	
INPUT	VOLTAGE[V]	AC85 - 264 1 φ or DC110 - 370					
	CURRENT[A]	ACIN 100V	0.8typ (Io=100%)				
		ACIN 200V	0.4typ (Io=100%)				
	FREQUENCY[Hz]	47 - 440 or DC					
	EFFICIENCY[%]	70typ	75typ	77typ	78typ	79typ	
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%) (At cold start)				
		ACIN 200V	30typ (Io=100%) (At cold start)				
	LEAKAGE CURRENT[mA]	0.75max (60Hz, According to UL, CSA, VDE and DEN-AN)					
OUTPUT	VOLTAGE[V]	3	5	12	15	24	
	CURRENT[A]	6	6	2.5	2	1.3	
	LINE REGULATION[mV]	20max	20max	48max	60max	96max	
	LOAD REGULATION[mV]	40max	40max	100max	120max	150max	
	RIPPLE[mVp-p]	0 to +50℃	80max	80max	120max	120max	120max
		-10 - 0℃	140max	140max	160max	160max	160max
	RIPPLE NOISE[mVp-p]	0 to +50℃	120max	120max	150max	150max	150max
		-10 - 0℃	160max	160max	180max	180max	180max
	TEMPERATURE REGULATION[mV]	60max	60max	150max	180max	290max	
	DRIFT[mV]	*1 20max	20max	48max	60max	96max	
	START-UP TIME[ms]	200max (ACIN 100V, Io=100%)					
	HOLD-UP TIME[ms]	10typ (ACIN 85V, Io=100%) 20typ (ACIN 100V, Io=100%)					
PROTECTION CIRCUIT AND OTHERS	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	2.85 - 3.6	Fixed ("Y" which can be adjusted the output is available as option : 5, 12, 15, 24V ±10%)				
	OUTPUT VOLTAGE SETTING[V]	—	4.9 - 5.3	11.5 - 12.5	14.4 - 15.6	23.0 - 25.0	
	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically					
	OVERVOLTAGE PROTECTION	4.00 - 5.25V	Works at 115 - 140% of rating				
	OPERATING INDICATION	Not provided					
	REMOTE SENSING	Not provided					
	REMOTE ON/OFF	Not provided					
ISOLATION	INPUT-OUTPUT	AC3,000V 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	OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +60℃, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE) 3,000m (10,000feet) max					
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75℃, 20 - 90%RH (Non condensing) 9,000m (30,000feet) max					
	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, EN60950-1, EN50178, CSA C22.2 No.234 Complies with DEN-AN and IEC60950-1					
	CONDUCTED NOISE	Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B					
OTHERS	CASE SIZE/WEIGHT	55 x 26 x 133mm (W x H x D) /200g max (without chassis and cover)					
	COOLING METHOD	Convection					

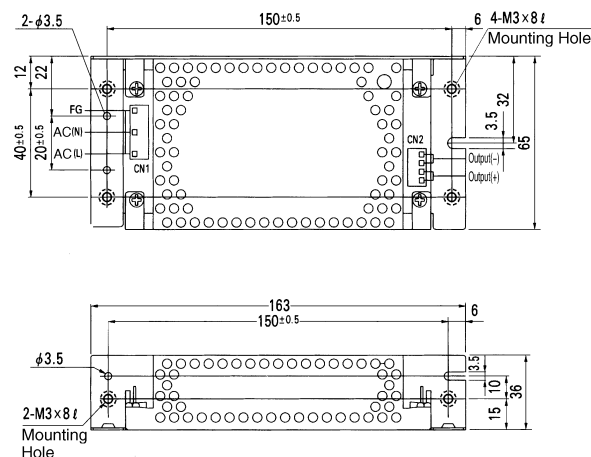
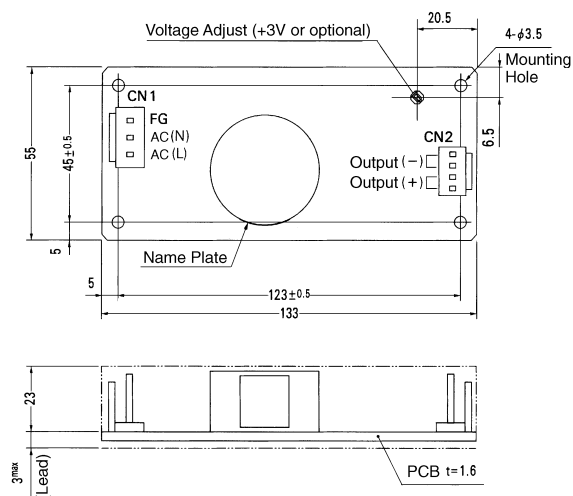
*1 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25℃, with the input voltage held constant at the rated input/output.

* Avoid prolonged use under over-load.

* Series/Parallel operation with other model is not possible.

* Derating is required when operated with chassis and cover.

External view



I/O Connector	Mating Connector	Terminal
CN1	B3P5-VH	VHR-5N
		Chain: SVH-21T-P1.1
		Loose: BVH-21T-P1.1
CN2	B4P-VH	VHR-4N
		Chain: SVH-21T-P1.1
		Loose: BVH-21T-P1.1

(Mfr : J.S.T.)

<PIN CONNECTION>

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

Pin No.	Output
1	-V
2	-V
3	+V
4	+V

※ Weight : 200g or less (Without chassis and cover)

※ Tolerance : ± 1

※ Dimensions in mm.

※ PCB Material : Glass composite (CEM3)

※ Chassis and cover is optional.

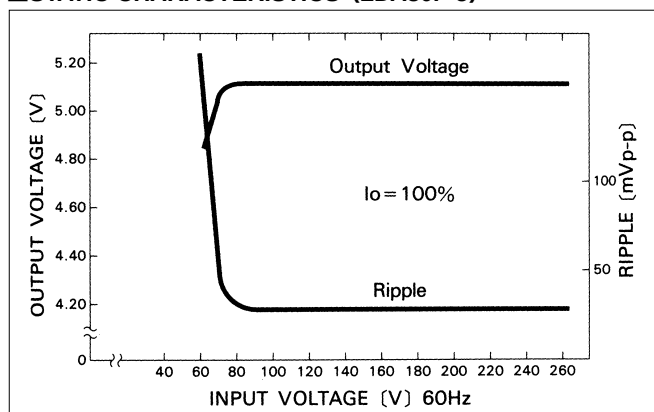
※ Mounting torque : 0.6N·m (6.3kgf·cm) max

※ Keep drawing current per pin below 5A for CN2.

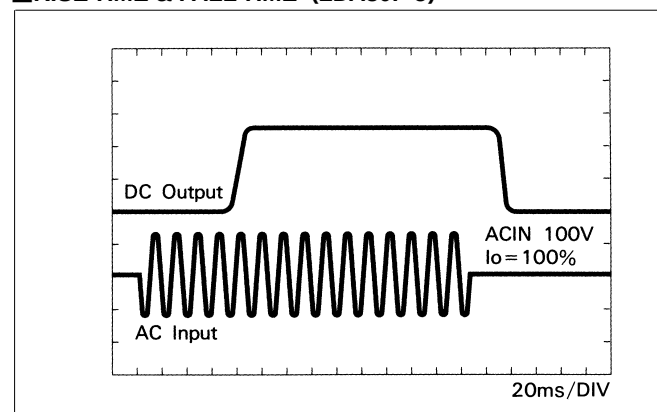
LDA

Performance data

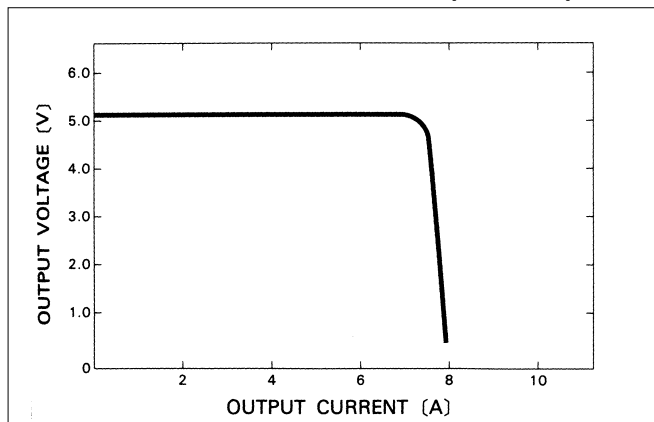
■ STATIC CHARACTERISTICS (LDA30F-5)



■ RISE TIME & FALL TIME (LDA30F-5)



■ OVERCURRENT CHARACTERISTICS (LDA30F-5)



■ DERATING CURVE

