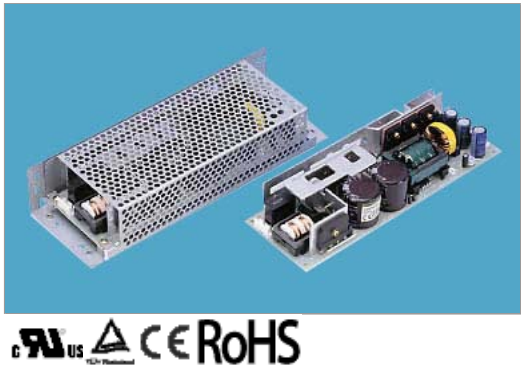


LDA150W



Features

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

Safety Agency Approvals

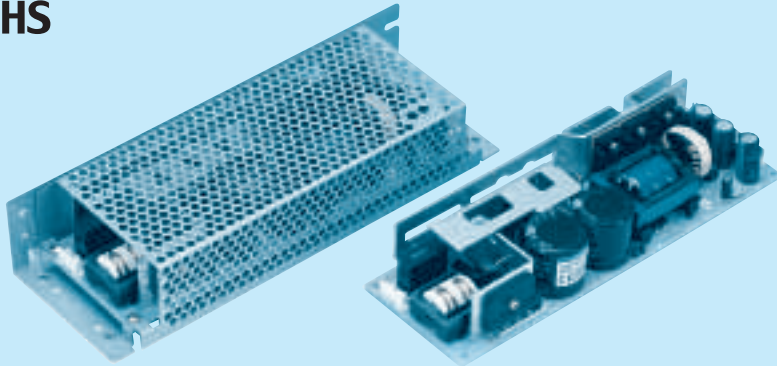
- Complies with DEN-AN
- UL1950, C-UL recognized, TUV approved
- UL recognized, TUV approved, CSA certified (LDA10F - LDA150W)

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]
LDA150W-3	AC 85 - 264	90	3V 30A
LDA150W-5	AC 85 - 264	150	5V 30A
LDA150W-9	AC 85 - 264	153	9V 17A
LDA150W-12	AC 85 - 264	150	12V 12.5A
LDA150W-15	AC 85 - 264	150	15V 10A
LDA150W-18	AC 85 - 264	153	18V 8.5A
LDA150W-24	AC 85 - 264	151.2	24V 6.3A
LDA150W-24-H	AC 85 - 264	151.2 (peak 240)	24V 6.3A (peak 10A)
LDA150W-30	AC 85 - 264	150	30V 5A
LDA150W-48	AC 85 - 264	144	48V 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 Autoranging input
④ Output voltage
⑤ Optional
C : with Coating
G : Low leakage current
L : with LED
R : with Remote ON/OFF
S : with Chassis
SN : with Chassis & cover
Y : with Potentiometer

MODEL	LDA150W-3	LDA150W-5	LDA150W-9	LDA150W-12	LDA150W-15	LDA150W-18	LDA150W-24	LDA150W-24-H	LDA150W-30	LDA150W-48
MAX OUTPUT WATTAGE[W]	90	150	153	150	150	153	151.2	151.2	150	144
DC OUTPUT	*3 3V 30A	5V 30A	9V 17A	12V 12.5A	15V 10A	18V 8.5A	24V 6.3A	24V 6.3(10)A	30V 5A	48V 3A

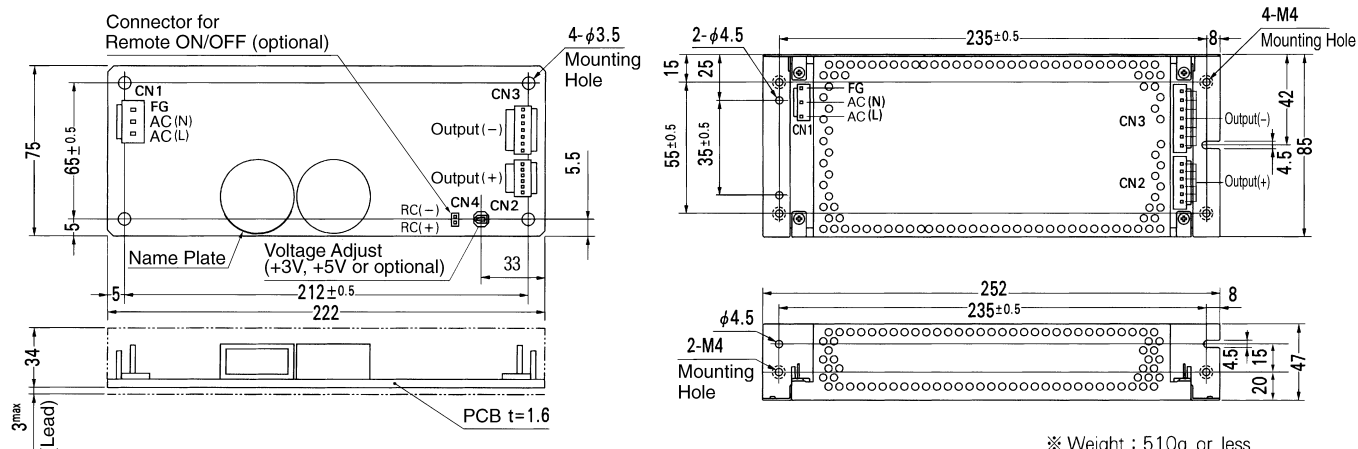
SPECIFICATIONS

	MODEL	LDA150W-3	LDA150W-5	LDA150W-9	LDA150W-12	LDA150W-15	LDA150W-18	LDA150W-24	LDA150W-24-H	LDA150W-30	LDA150W-48	
INPUT	VOLTAGE[V]	AC 85 - 132 / 170 - 264 1 ϕ										
	CURRENT[A]	ACIN 100V	3.6typ (Io=100%)									
		ACIN 200V	2.0typ (Io=100%)									
	FREQUENCY[Hz]	47 - 440										
	EFFICIENCY[%]	75typ	79typ	79typ	82typ	83typ	84typ	85typ	85typ	85typ	82typ	
	INRUSH CURRENT[A]	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	9	12	15	18	24	24	30	48	
	CURRENT[A]	*1 30	30	17	12.5	10	8.5	6.3	6.3(10)	5	3	
	LINE REGULATION[mV]	20max	20max	36max	48max	60max	72max	96max	96max	120max	192max	
	LOAD REGULATION[mV]	40max	40max	100max	100max	120max	120max	150max	150max	180max	240max	
	RIPPLE[mVp-p]	0 to +50℃	80max	80max	120max	120max	120max	120max	120max	220max	120max	150max
		-10 - 0℃	140max	140max	160max	160max	160max	160max	160max	260max	160max	200max
	RIPPLE NOISE[mVp-p]	0 to +50℃	120max	120max	150max	150max	150max	150max	150max	250max	150max	400max
		-10 - 0℃	160max	160max	180max	180max	180max	180max	180max	280max	180max	600max
	TEMPERATURE REGULATION[mV]	60max	60max	120max	150max	180max	200max	290max	290max	360max	560max	
	DRIFT[mV]	*2 20max	20max	36max	48max	60max	72max	96max	96max	120max	192max	
	START-UP TIME[ms]	200max (ACIN 100V, Io=100%)										
	HOLD-UP TIME[ms]	10typ (ACIN 85V, Io=100%) 20typ (ACIN 100V, Io=100%)										
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	2.85 - 3.6	4.5 - 5.5	Fixed ("Y"which can be adjusted the output is available as option :9, 12, 15, 18, 24, 30, 48V ±10%)									
OUTPUT VOLTAGE SETTING[V]	—	—	8.6 - 9.4	11.5 - 12.5	14.4 - 15.6	17.3 - 18.7	23.0 - 25.0	23.0 - 25.0	28.5 - 31.5	46.0 - 50.0		
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating (-H : peak) 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	Option (Refer to Instruction Manual)										
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/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis										
	IMPACT	196.1m/s² (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	75×37×222mm (W×H×D) /510g max (without chassis and cover)										
	COOLING METHOD	Convection										

*1 Peak load for 10sec. or less is acceptable if the total wattage is less than the rated wattage(24V:151.2W).
*2 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.
*3 () : peak current
* Avoid prolonged use under over-load.

* 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	B6P-VH	VHR-6N
		Chain: SVH-21T-P1.1
		Loose: BVH-21T-P1.1
CN3	B7P-VH	VHR-7N
		Chain: SVH-21T-P1.1
		Loose: BVH-21T-P1.1
CN4	B2B-XH-A	XHP-2
		Chain: SXH-001T-P0.6
		Loose: BXH-001T-P0.6

(Mfr : J.S.T.)

<PIN CONNECTION>

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

※ Keep drawing current per pin below 5A for CN2, CN3.

Pin No.	Output
1~6	+V
1~7	-V

Pin No.	Remote ON/OFF
1	RC(+)
2	RC(-)

 ※ Weight : 510g or less
 (Without chassis and cover)

※ Tolerance : ± 1

※ Dimensions in mm.

 ※ PCB Material : Glass composite
 (CEM3)

※ Chassis and cover is optional.

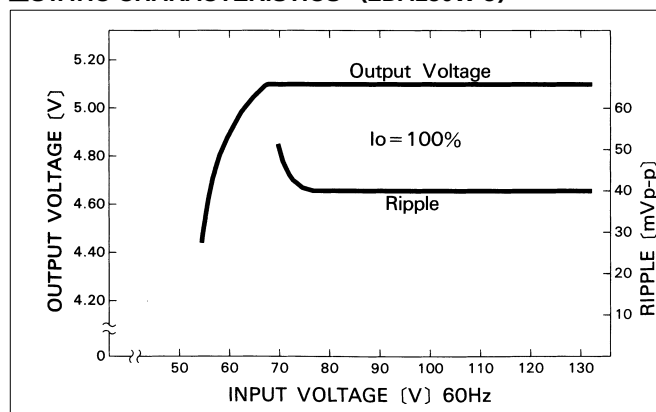
 ※ Chassis and cover is not available
 to remote ON/OFF unit.

※ Mounting torque : 1.5 N·m (16 kgf·cm) max

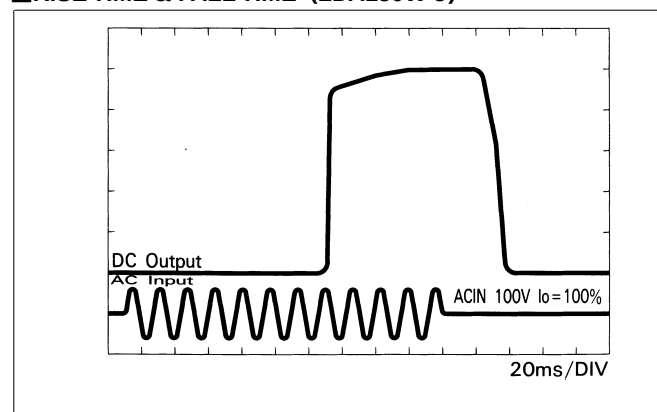
LDA

Performance data

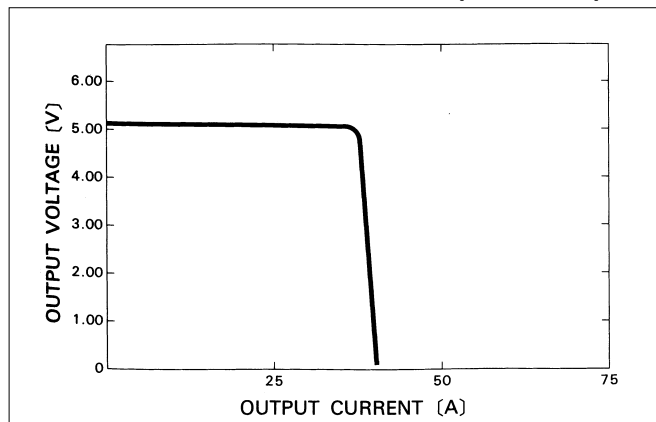
■ STATIC CHARACTERISTICS (LDA150W-5)



■ RISE TIME & FALL TIME (LDA150W-5)



■ OVERCURRENT CHARACTERISTICS (LDA150W-5)



■ DERATING CURVE

