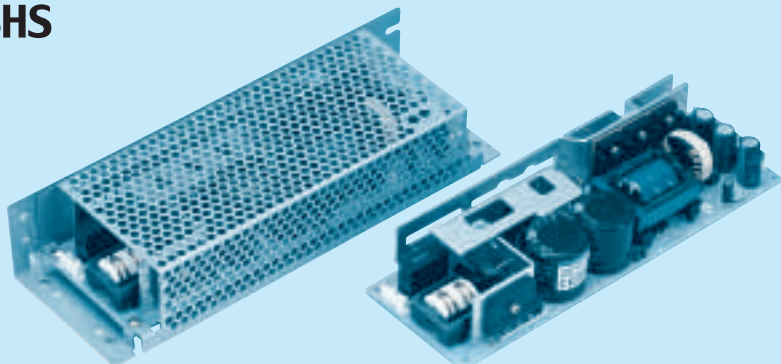




Recommended Noise Filter NAC-06-472



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

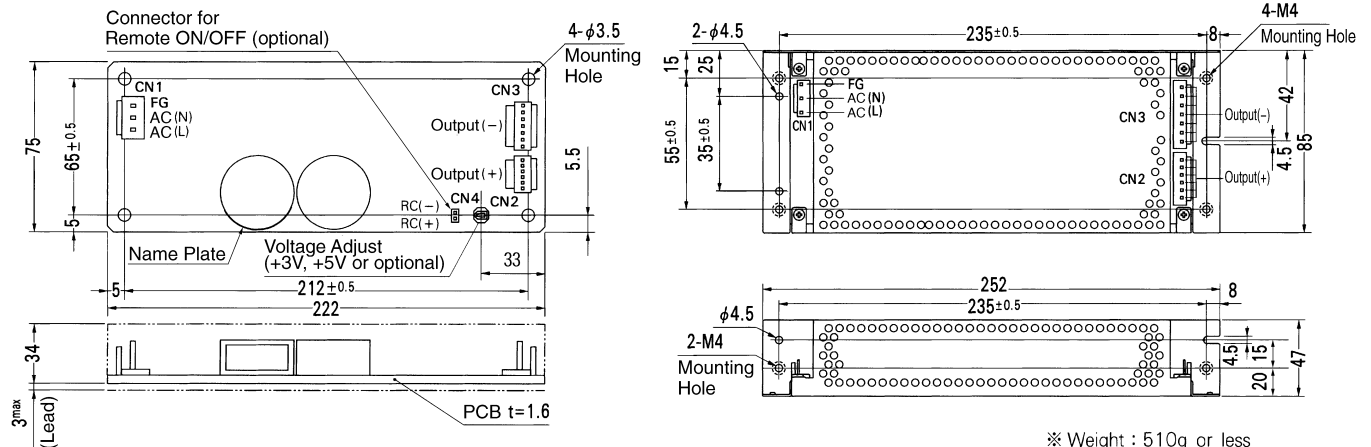
SPECIFICATIONS

	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	150max	150max	180max	240max
		-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 x 37 x 222mm (W x H x 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.

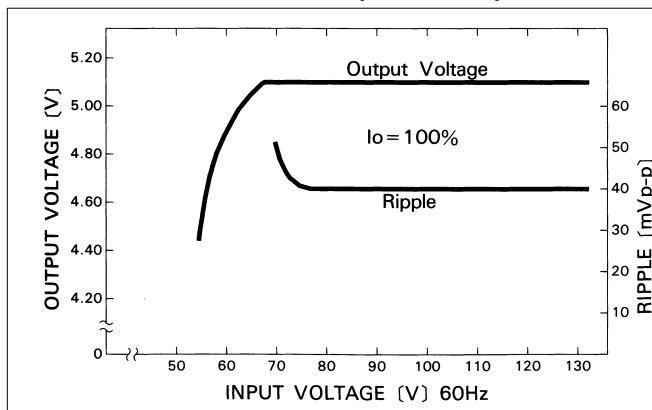
※ Chassis and cover is not available to remote ON/OFF unit.

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

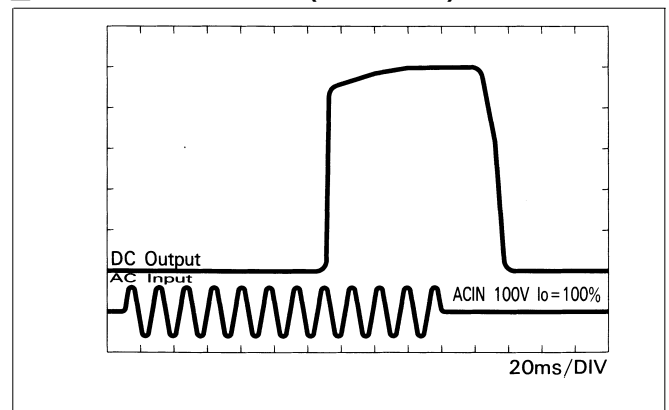
LDA

Performance data

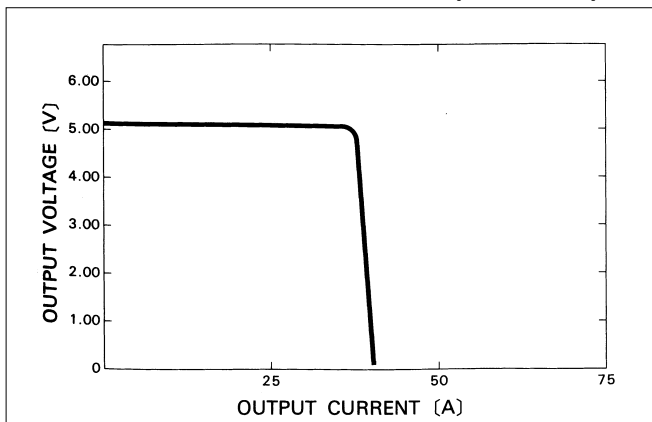
■ STATIC CHARACTERISTICS (LDA150W-5)



■ RISE TIME & FALL TIME (LDA150W-5)



■ OVERCURRENT CHARACTERISTICS (LDA150W-5)



■ DERATING CURVE

