

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

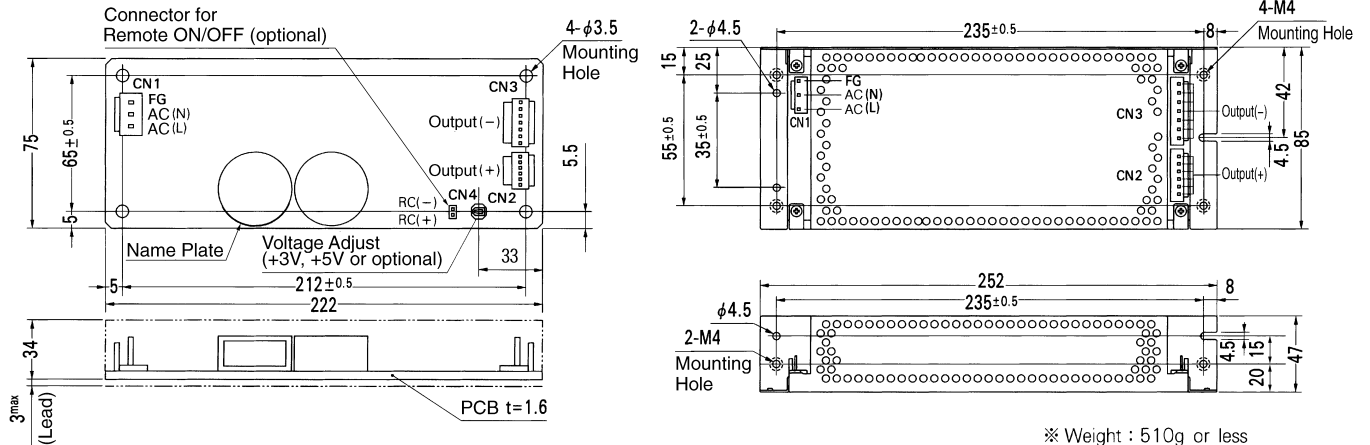
SPECIFICATIONS

	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	
	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°C	80max	80max	120max	120max	120max	120max	120max	120max	150max	150max	
		-10 - 0°C	140max	140max	160max	160max	160max	160max	160max	160max	260max	160max	
	RIPPLE NOISE[mVp-p]	0 to +50°C	120max	120max	150max	150max	150max	150max	150max	150max	250max	150max	
		-10 - 0°C	160max	160max	180max	180max	180max	180max	180max	180max	280max	180max	
	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°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE) 3,000m (10,000feet) max											
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75°C, 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	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°C, 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	Pin No.	Output	Pin No.	Remote ON/OFF
1	AC(L)	CN2 1~6	+V	1	RC(+)
2				2	RC(-)
3	AC(N)	CN3 1~7	-V		
4					
5	FG				

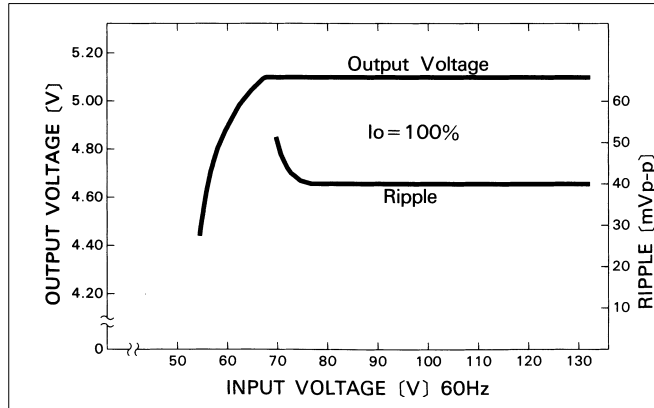
※Keep drawing current per pin below 5A for CN2, CN3.

- ※ 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

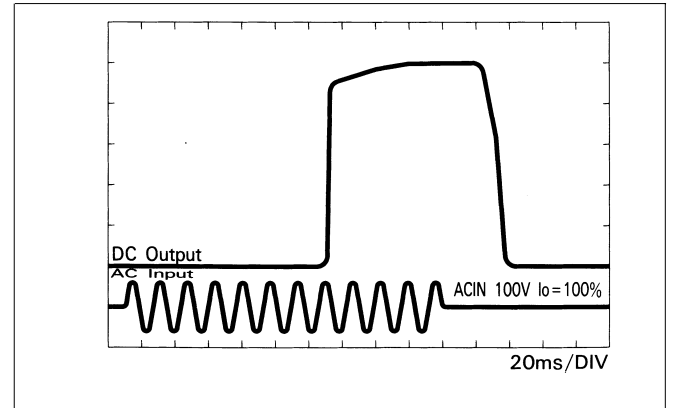
LDA

Performance data

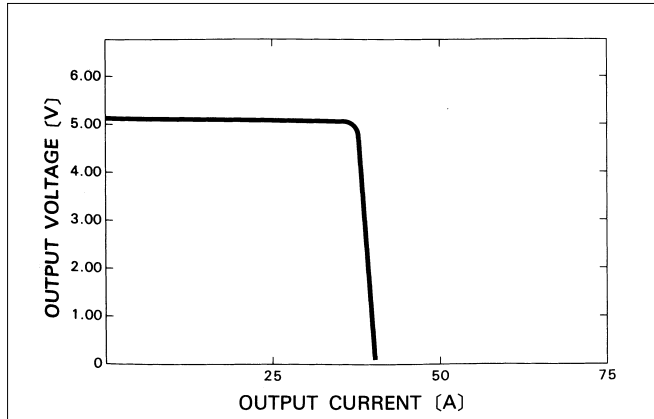
■ STATIC CHARACTERISTICS (LDA150W-5)



■ RISE TIME & FALL TIME (LDA150W-5)



■ OVERCURRENT CHARACTERISTICS (LDA150W-5)



■ DERATING CURVE

