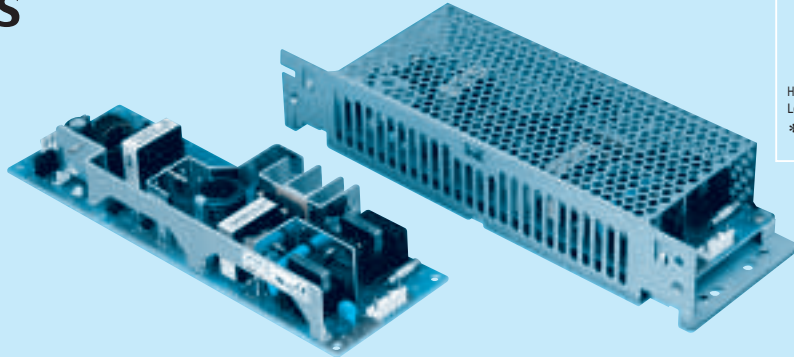



**Recommended Noise Filter
NAC-06-472**


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 *1
G : Low leakage current
R : with Remote ON/OFF
S : with Chassis
SN : with Chassis & cover
T : Vertical terminal block
U : Operating stop voltage
is set at a lower value
Z : with ZT

MODEL	LEP100F-24	LEP100F-36	LEP100F-48
DC OUTPUT	+24V 4.2(Peak 7)A	+36V 2.8(Peak 4.7)A	+48V 2.1(Peak 3.5)A

SPECIFICATIONS

	MODEL		LEP100F-24	LEP100F-36	LEP100F-48
INPUT	VOLTAGE[V]		AC85 - 264 1ϕ or DC 120 - 370		
	CURRENT[A]	ACIN 100V	1.4typ (Io=100%)		
		ACIN 200V	0.7typ (Io=100%)		
	FREQUENCY[Hz]		50/60 (47 - 63) or DC		
	EFFICIENCY[%]	ACIN 100V	81typ (Io=100%)	82typ (Io=100%)	83typ (Io=100%)
		ACIN 200V	84typ (Io=100%)	85typ (Io=100%)	85typ (Io=100%)
	POWER FACTOR	ACIN 100V	0.98typ (Io=100%)		
		ACIN 200V	0.93typ (Io=100%)		
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%) (At cold start) (Ta=25℃)		
		ACIN 200V	30typ (Io=100%) (At cold start) (Ta=25℃)		
	LEAKAGE CURRENT[ma]		0.75max (60Hz, According to IEC60950 and DEN-AN)		
OUTPUT	VOLTAGE[V]		+24	+36	+48
	CURRENT[A]	*2	0 - 4.2 (Peak 7)	0 - 2.8 (Peak 4.7)	0 - 2.1 (Peak 3.5)
	WATTAGE[W]		100.8 (Peak 168)	100.8 (Peak 169.2)	100.8 (Peak 168)
	LINE REGULATION[mV]		48max	48max	48max
	LOAD REGULATION[mV]		76max	90max	150max
	RIPPLE[mVp-p]	0 to +50℃ *3	120max	120max	150max
		-10 - 0℃ *3	160max	160max	300max
	RIPPLE NOISE[mVp-p]	0 to +50℃ *3	150max	150max	250max
		-10 - 0℃ *3	180max	180max	350max
	TEMPERATURE REGULATION[mV]	0 to +50℃	120max	150max	240max
		-10 to +50℃	145max	180max	300max
	DRIFT[mV]		*4 48max	48max	48max
	START-UP TIME[ms]		500max (ACIN 100V, Io=100%)		
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)		
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		21.4 - 26.4	26.4 - 39.6	39.6 - 52.8
OUTPUT VOLTAGE SETTING[V]		23.0 - 25.0	35.0 - 37.0	46.0 - 50.0	
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 101% of peak current and recovers automatically		
	OVERVOLTAGE PROTECTION		Works at 115 - 140% of rating		
	REMOTE ON/OFF		Option (Refer to Instruction Manual)		
ISOLATION	INPUT-OUTPUT · RC	*5	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 · RC-FG	*5	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)		
	OUTPUT-RC	*5	AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩ min (At Room Temperature)		
ENVIRONMENT	OPERATING TEMP,HUMID.AND ALTITUDE		-10 to +70℃, 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, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN and IEC60950-1 (At only AC input)		
	CE MARKING		Low Voltage Directive, EMC Directive		
	CONDUCTED NOISE		Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B		
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2		
OTHERS	CASE SIZE/WEIGHT		75 X 35 X 222mm (W X H X D) /380g max (without chassis and cover)		
	COOLING METHOD		Convection		

*1 Specification is changed at option, refer to Instruction Manual 6.

*2 Peak loading for 10sec. And Duty 35% max, refer to Instruction Manual 5. In detail.

*3 This is the value that measured on measuring board with capacitor of 22μF within 150mm from output terminal. 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℃, with the input voltage held constant at the rated input/output.

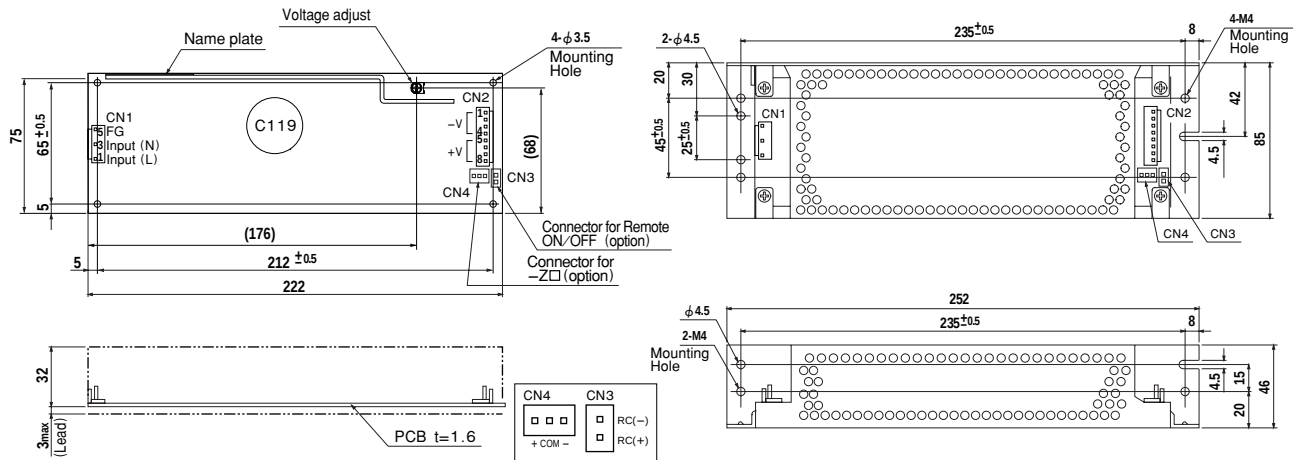
*5 Applicable when remote control (optional) is added.

* Parallel operation with other model is not possible.

* Derating is required when operated with chassis and cover.

* A sound may occur from power supply at peak loading.

External view



I / O Connector	Mating Connector	Terminal
CN1	B3P5-VH	VHR-5N
		Chain: SVH-21T-P1.1
		Loose: BVH-21T-P1.1
CN2	B8P-VH	VHR-8N
		Chain: SVH-21T-P1.1
		Loose: BVH-21T-P1.1
CN3 (Option)	B2B-XH-A	XHP-2
		Chain: SXH-001T-P0.6
		Loose: BXH-001T-P0.6
CN4 (Option)	B3B-XH-A	XHP-3
		Chain: SXH-001T-P0.6
		Loose: BXH-001T-P0.6

(Mfr: J.S.T.)

CN1

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

CN2

Pin No.	Output
1, 2, 3, 4	-V
5, 6, 7, 8	+V

CN3 (Option)

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

CN4 (Option)

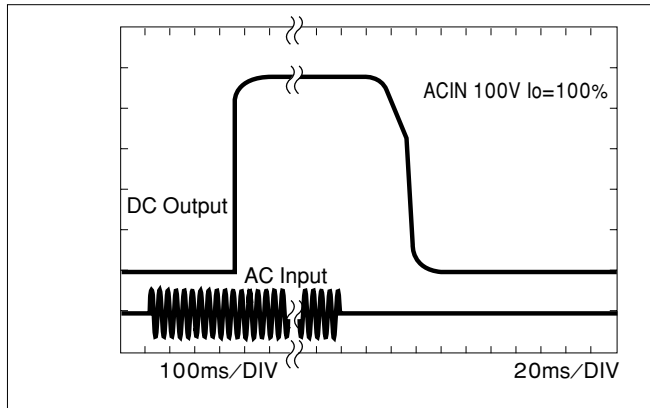
Pin No.	-Z□
1	+
2	COM
3	-

※Weight: 380g or less
(Without chassis and cover)
※Tolerance: ±1
※Dimensions in mm.
※PCB Material : CEM3
※Chassis and cover is optional.
※Mounting torque: 1.5N·m(16kgf·cm)max

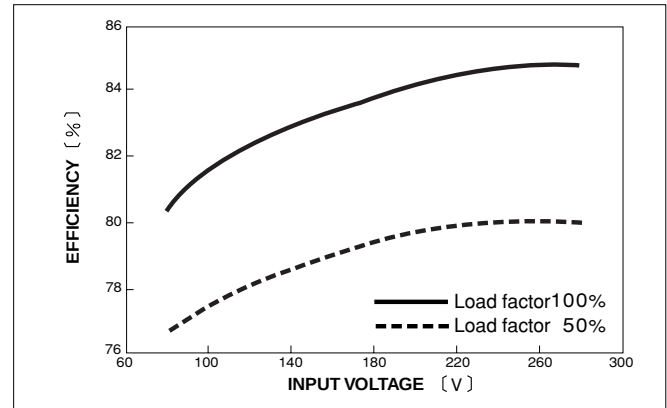
※Keep drawing current per pin below 5A(7A at peak load)for CN2

Performance data

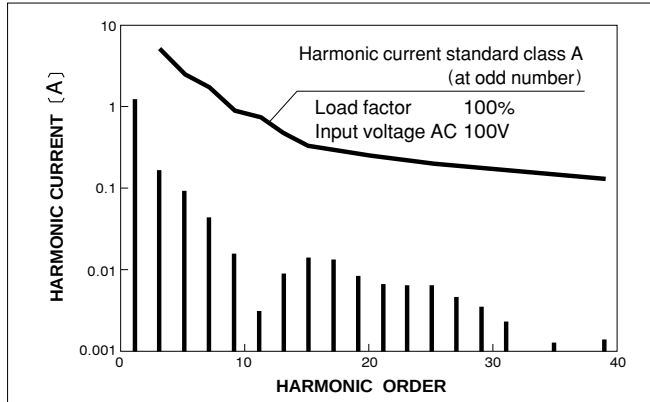
■RISE TIME & FALL TIME (LEP100F-24)



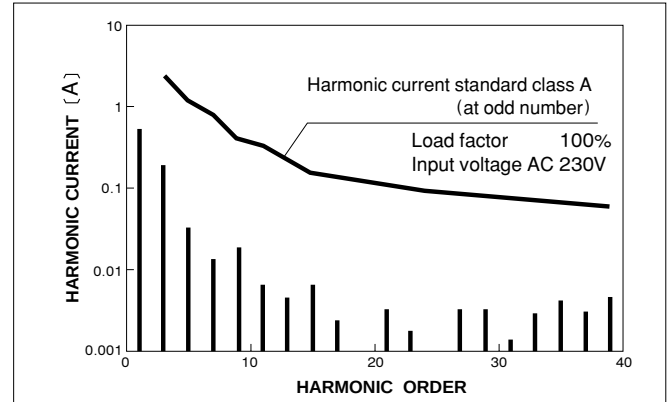
■EFFICIENCY (LEP100F-24)



■INPUT HARMONIC CURRENT (LEP100F-24)



■INPUT HARMONIC CURRENT (LEP100F-24)



Distribution:

RSG Electronic Components GmbH ■ Spremlinger Landstr. 115 ■ D-63069 Offenbach/Germany
Tel. +49 69 984047-0 ■ Fax +49 69 984047-77 ■ info@rsg-electronic.de ■ www.rsg-electronic.de

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