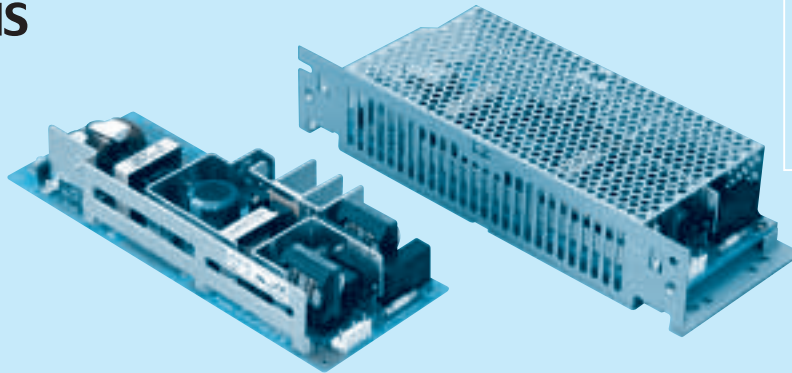



**Recommended Noise Filter
NAC-06-472**


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	LEP150F-24	LEP150F-36	LEP150F-48
DC OUTPUT	+24V 6.3(Peak 12)A	+36V 4.2(Peak 8)A	+48V 3.2(Peak 6)A

SPECIFICATIONS

	MODEL		LEP150F-24	LEP150F-36	LEP150F-48
INPUT	VOLTAGE[V]		AC85 - 264 1ϕ or DC 120 - 370		
	CURRENT[A]	ACIN 100V	2.0typ (Io=100%)		
		ACIN 200V	1.0typ (Io=100%)		
	FREQUENCY[Hz]		50/60 (47 - 63) or DC		
	EFFICIENCY[%]	ACIN 100V	82typ (Io=100%)	83typ (Io=100%)	84typ (Io=100%)
		ACIN 200V	85typ (Io=100%)	86typ (Io=100%)	87typ (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 - 6.3 (Peak 12)	0 - 4.2 (Peak 8)	0 - 3.2 (Peak 6)
	WATTAGE[W]		151.2 (Peak 288)	151.2 (Peak 288)	153.6 (Peak 288)
	LINE REGULATION[mV]		48max	48max	48max
	LOAD REGULATION[mV]		76max	90max	150max
	RIPPLE[mVp-p]	0 to +45℃ *3	120max	120max	150max
		-10 - 0℃ *3	160max	160max	300max
	RIPPLE NOISE[mVp-p]	0 to +45℃ *3	150max	150max	250max
		-10 - 0℃ *3	180max	180max	350max
	TEMPERATURE REGULATION[mV]	0 to +45℃	120max	150max	240max
		-10 to +45℃	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/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, 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		85 x 40 x 222mm (W x H x D) /490g 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.

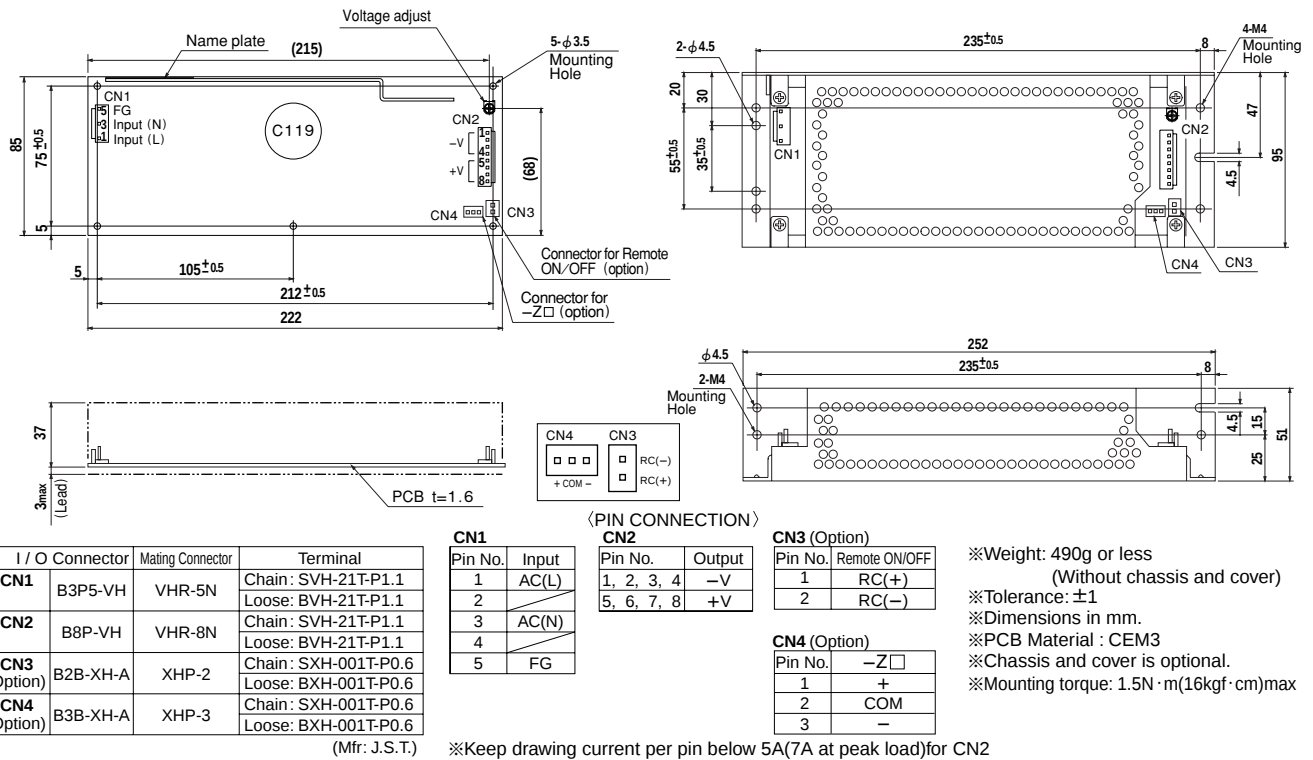
*5 Applicable when remote control (optional) is added.

* 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.

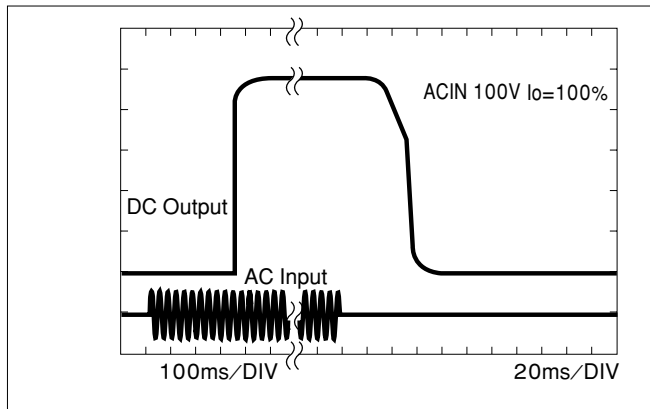
External view



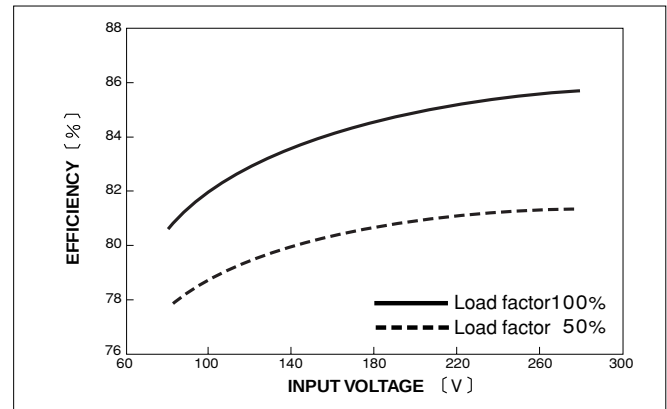
LEP

Performance data

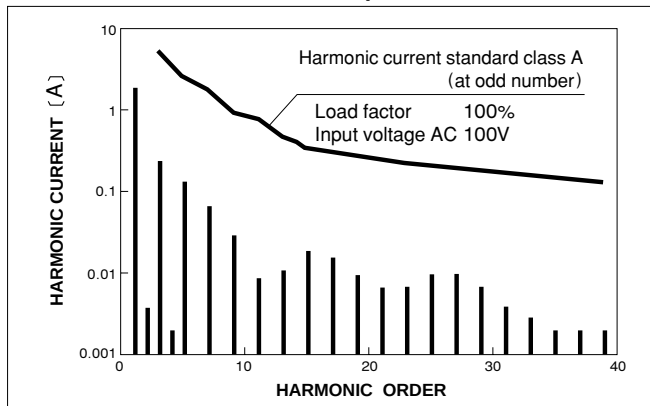
RISE TIME & FALL TIME (LEP150F-24)



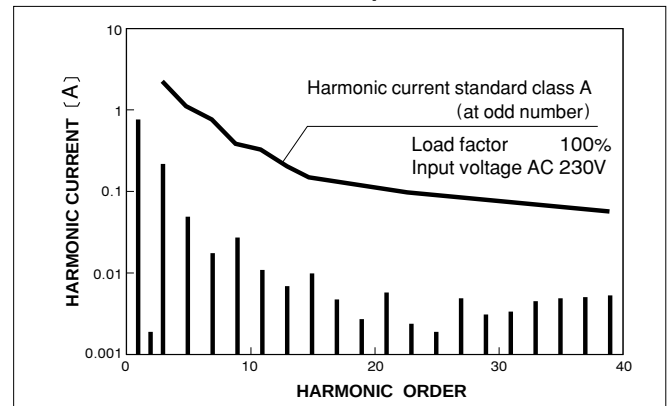
EFFICIENCY (LEP150F-24)



INPUT HARMONIC CURRENT (LEP150F-24)



INPUT HARMONIC CURRENT (LEP150F-24)



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