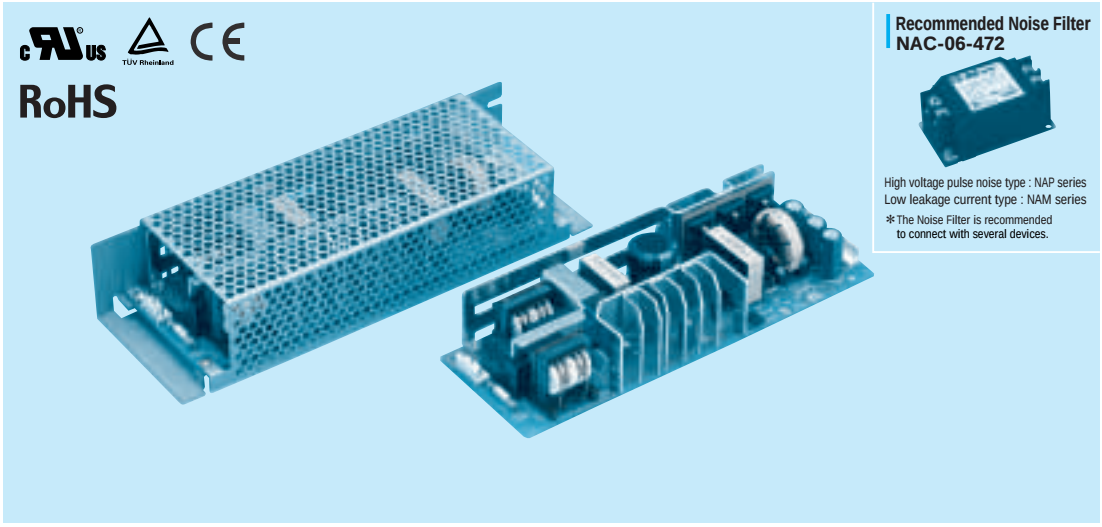
COSEL **Rugged PCB type**

LEA150F

Ordering information

LEA 150 F -5 -□

① ② ③ ④ ⑤



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.

①Series name
②Output wattage
③Universal input
④Output voltage
⑤Optional
C :with Coating
G :Low leakage current
J2:Mini terminal block
R :with Remote ON/OFF
S :with Chassis
SN:with Chassis & cover
Y :with Potentiometer

MODEL	LEA150F-3R3-Y	LEA150F-5	LEA150F-9	LEA150F-12	LEA150F-15	LEA150F-18	LEA150F-24	LEA150F-24-H	LEA150F-30	LEA150F-48
MAX OUTPUT WATTAGE[W]	99	150	153	150	150	153	151.2	151.2	150	153.6
DC OUTPUT ＊5	3.3V 30A	5V 30A	9V 17A	12V 12.5A	15V 10A	18V 8.5A	24V 6.3A	24V 6.3(7.5)A	30V 5A	48V 3.2A

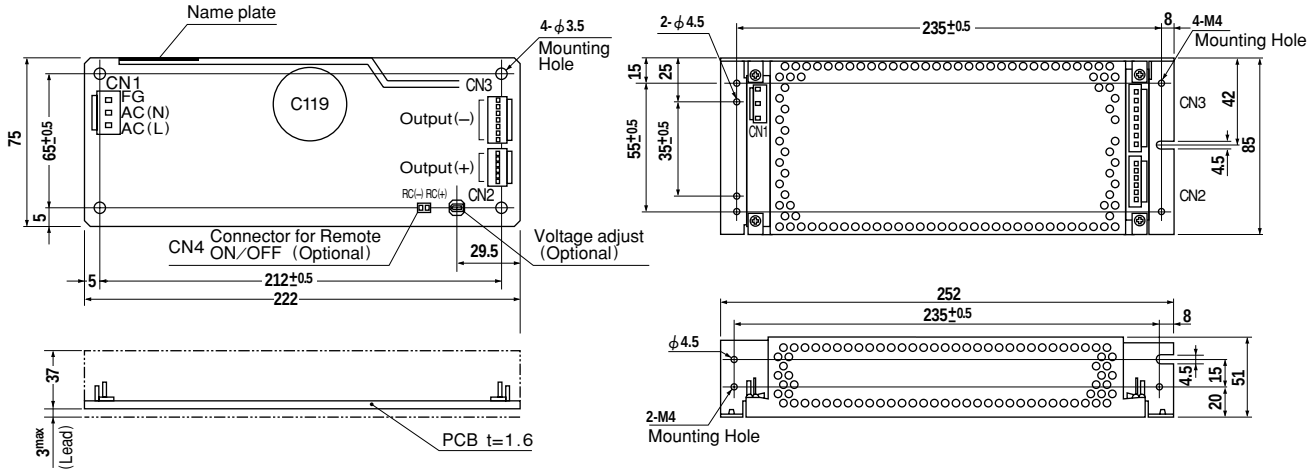
SPECIFICATIONS

LEA

	MODEL		LEA150F-3R3-Y	LEA150F-5	LEA150F-9	LEA150F-12	LEA150F-15	LEA150F-18	LEA150F-24	LEA150F-24-H	LEA150F-30	LEA150F-48
INPUT	VOLTAGE[V]		AC85 - 264 1φ or DC120 - 370									
	CURRENT[A]	ACIN 100V	1.4	2.0typ								
		ACIN 200V	0.7	1.0typ								
	FREQUENCY[Hz]		50/60 (47 - 63) or DC									
	EFFICIENCY[%]	ACIN 100V	71typ	76typ	79typ	78typ	80typ	81typ	81typ	81typ	84typ	84typ
		ACIN 200V	74typ	79typ	82typ	81typ	83typ	84typ	84typ	84typ	87typ	87typ
	POWER FACTOR	ACIN 100V	0.98typ	0.99typ								
		ACIN 200V	0.91typ	0.94typ								
	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]		3.3	5	9	12	15	18	24	24	30	48
	CURRENT[A]	＊1	30	30	17	12.5	10	8.5	6.3	6.3 (Peak 7.5)	5	3.2
	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	300max
	RIPPLE[mVp-p]	0 to +50℃ ＊2	80max	80max	120max	120max	120max	120max	120max	120max	120max	150max
		-10 - 0℃ ＊2	140max	140max	160max	160max	160max	160max	160max	160max	160max	200max
	RIPPLE NOISE[mVp-p]	0 to +50℃ ＊2	120max	120max	150max	150max	150max	150max	150max	150max	150max	350max
		-10 - 0℃ ＊2	160max	160max	180max	180max	180max	180max	180max	180max	180max	400max
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	50max	90max	120max	150max	180max	240max	240max	300max	480max
		-10 to +50℃	60max	60max	120max	150max	180max	200max	290max	290max	360max	600max
	DRIFT[mV]	＊3	20max	20max	36max	48max	60max	72max	96max	96max	120max	192max
	START-UP TIME[ms]		500max (ACIN 100V, Io=100%)									
	HOLD-UP TIME[ms]		20typ (Io=100%)									
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.85 - 3.6	Fixed ("Y"which can be adjusted the output is available as optional: ±10%)								
	OUTPUT VOLTAGE SETTING[V]		3.25 - 3.35	4.9 - 5.3	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 (works over 105% of peak current at option -H) 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 · RC	＊4	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	＊4	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)									
	OUTPUT-RC	＊4	AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩ 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, C-UL, EN60950-1, EN50178 Complies with DEN-AN and IEC60950-1 (At only AC input)									
	CONDUCTED NOISE		Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B									
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2									
OTHERS	CASE SIZE/WEIGHT		75×40×222mm (W×H×D) /500g max (without chassis and cover)									
	COOLING METHOD		Convection									

＊1 Peak load for 10 sec. or less is acceptable if the total wattage is less than the rated wattage.
＊2 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).
＊3 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.
＊4 Applicable when remote control (optional) is added.
＊5 ( ): peak current.
＊ 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
CN1	1	AC(L)
	2	
	3	AC(N)
	4	
	5	FG

	Pin No.	Output
CN2	1~6	+V
CN3	1~7	−V

〈Optional〉

	Pin No.	Remote ON/OFF
CN4	1	RC(+)
	2	RC(−)

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

※Weight: 500g 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: 1.5N·m(16kgf·cm)max

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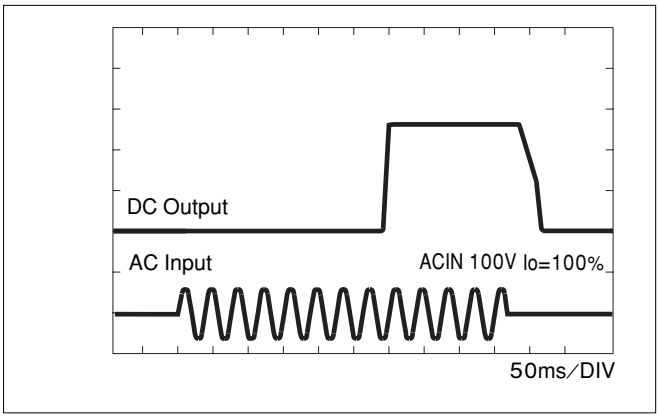
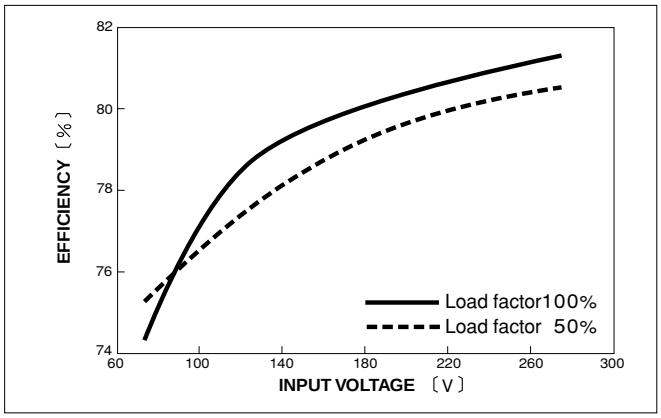
Performance data

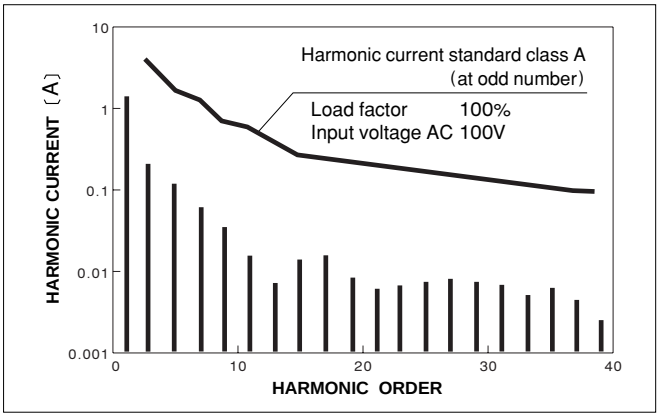
■RISE TIME & FALL TIME (LEA150F-5)



■EFFICIENCY (LEA150F-5)



■INPUT HARMONIC CURRENT (LEA150F-5)



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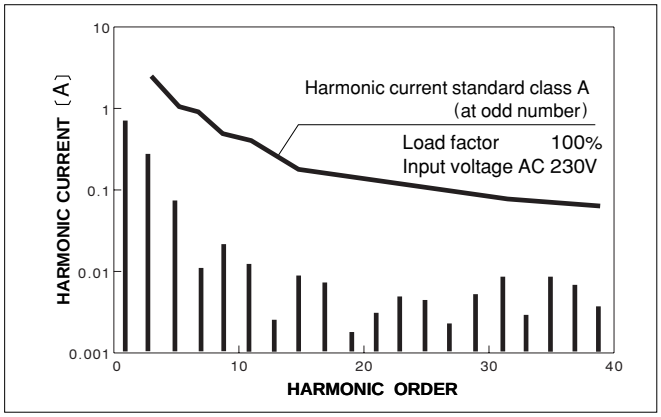


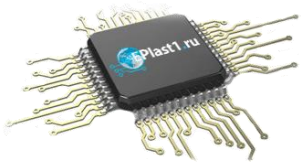
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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