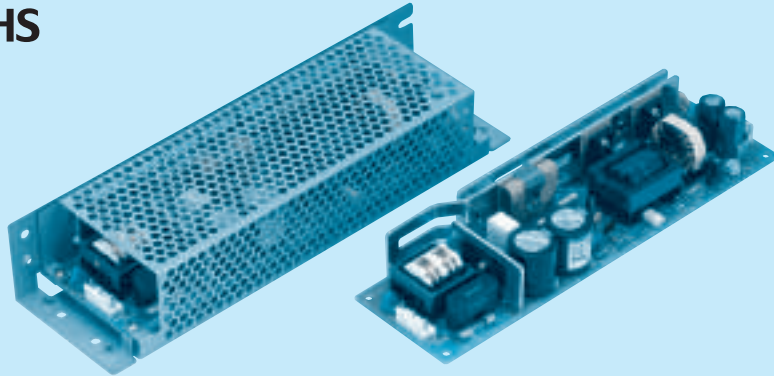


LCA100S

LC A 100 S -5 -□

① ② ③ ④ ⑤ ⑥



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
- ② 100/120V input
- ③ Output wattage
- ④ Single output
- ⑤ Output voltage
- ⑥ Optional
- C :with Coating
- G :Low leakage current
- S :with Chassis
- SN :with Chassis & cover
- Y :with Potentiometer

MODEL	LCA100S-3	LCA100S-5	LCA100S-12	LCA100S-15	LCA100S-24	LCA100S-24-H	LCA100S-36	LCA100S-48
MAX OUTPUT WATTAGE[W]	60	100	102	105	103.2	103.2	108	105.6
DC OUTPUT	3V 20A	5V 20A	12V 8.5A	15V 7A	24V 4.3A	24V 4.3A	36V 3A	48V 2.2A

SPECIFICATIONS

	MODEL	LCA100S-3	LCA100S-5	LCA100S-12	LCA100S-15	LCA100S-24	LCA100S-24-H	LCA100S-36	LCA100S-48	
LCA INPUT	VOLTAGE[V]	AC85 - 132 1 φ or DC110 - 170								
	CURRENT[A]	ACIN 100V 2.5typ (Io=100%)								
	FREQUENCY[Hz]	47 - 440 or DC								
	EFFICIENCY[%]	74typ	79typ	83typ	84typ	85typ	85typ	85typ	85typ	
	INRUSH CURRENT[A]	ACIN 100V 15typ (Io=100%)								
	LEAKAGE CURRENT[ma]	0.5max (60Hz, According to UL, CSA and DEN-AN)								
OUTPUT	VOLTAGE[V]	3	5	12	15	24	24	36	48	
	CURRENT[A]	*3 20	20	8.5	7	4.3	4.3 (Peak 7)	3	2.2	
	LINE REGULATION[mV]	20max	20max	48max	60max	96max	96max	144max	192max	
	LOAD REGULATION[mV]	40max	40max	100max	120max	150max	150max	240max	300max	
	RIPPLE[mVp-p]	0 to +50C *1	80max	80max	120max	120max	120max	120max	150max	150max
		-10 - 0C *1	140max	140max	160max	160max	160max	160max	200max	200max
	RIPPLE NOISE[mVp-p]	0 to +50C *1	120max	120max	150max	150max	150max	250max	250max	350max
		-10 - 0C *1	160max	160max	180max	180max	180max	280max	300max	400max
	TEMPERATURE REGULATION[mV]	0 to +50C	50max	50max	120max	150max	240max	240max	360max	480max
		-10 to +50C	60max	60max	150max	180max	290max	290max	450max	600max
	DRIFT[mV]	*2 20max	20max	48max	60max	96max	96max	144max	192max	
	START-UP TIME[ms]	200max (ACIN 85V, 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 optional: 12, 15, 24, 36, 48V ±10%)							
OUTPUT VOLTAGE SETTING[V]	—	—	11.5 - 12.5	14.4 - 15.6	23.0 - 25.0	23.0 - 25.0	34.5 - 37.5	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								
ISOLATION	REMOTE ON/OFF	Not provided								
	INPUT-OUTPUT	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)								
ENVIRONMENT	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)								
SAFETY AND NOISE REGULATIONS	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								
OTHERS	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis								
	AGENCY APPROVALS	UL60950-1, CSA C22.2 No.234 Complies with DEN-AN								
	CONDUCTED NOISE	Complies with FCC-B, VCCI-B								
OTHERS	CASE SIZE/WEIGHT	62X32X222mm (WxHxD) / 370g max (without chassis and cover)								
	COOLING METHOD	Convection								

*1 Measured by 20MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN : RM101).
 *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 load for 20 sec. or less is acceptable (The average current has to be less than the rated current).
 * Derating is required when operated with chassis and cover.