



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

MODEL	LDA50F-3	LDA50F-5	LDA50F-9	LDA50F-12	LDA50F-15	LDA50F-18	LDA50F-24	LDA50F-24-H	LDA50F-24-HR	LDA50F-30
MAX OUTPUT WATTAGE[W]	30	50	50.4	51.6	52.5	50.4	50.4	50.4	50.4	51
DC OUTPUT	*3 3V 10A	5V 10A	9V 5.6A	12V 4.3A	15V 3.5A	18V 2.8A	24V 2.1A	24V 2.1(3)A	24V 2.1(3)A	30V 1.7A

SPECIFICATIONS

MODEL	★LDA50F-3	LDA50F-5	★LDA50F-9	LDA50F-12	LDA50F-15	LDA50F-18	LDA50F-24	★LDA50F-24-H	★LDA50F-24-HR	★LDA50F-30
INPUT										
VOLTAGE[V]	AC85 - 264 1φ or DC110 - 370									
CURRENT[A]	ACIN 100V 1.3typ (Io=100%)									
	ACIN 200V 0.7typ (Io=100%)									
FREQUENCY[Hz]	47 - 440 or DC									
EFFICIENCY[%]	73typ	77typ	78typ	80typ	81typ	81typ	82typ	82typ	82typ	82typ
INRUSH CURRENT[A]	ACIN 100V 15typ (Io=100%) (At cold start)									
	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	24	30
CURRENT[A]	*1 10	10	5.6	4.3	3.5	2.8	2.1	2.1 (3)	2.1 (3)	1.7
LINE REGULATION[mV]	20max	20max	36max	48max	60max	72max	96max	96max	96max	120max
LOAD REGULATION[mV]	40max	40max	100max	100max	120max	120max	150max	150max	150max	180max
RIPPLE[mVp-p]	0 to +50°C 80max 80max 120max 120max 120max 120max 120max 120max 120max 120max									
	-10 - 0°C 140max 140max 160max 160max 160max 160max 160max 160max 160max 160max									
RIPPLE NOISE[mVp-p]	0 to +50°C 120max 120max 150max 150max 150max 150max 150max 150max 250max 250max 150max									
	-10 - 0°C 160max 160max 180max 180max 180max 180max 180max 180max 280max 280max 180max									
TEMPERATURE REGULATION[mV]	60max	60max	120max	150max	180max	200max	290max	290max	290max	360max
DRIFT[mV]	*2 20max	20max	36max	48max	60max	72max	96max	96max	96max	120max
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 Fixed ("Y" which can be adjusted the output is available as option : 5 - 30V ±10%)									
OUTPUT VOLTAGE SETTING[V]	—	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	23.0 - 25.0	28.5 - 31.5
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	UL1950, EN60950, VDE0160, CSA C22.2 No.234 Complies with DEN-AN and IEC60950									
CONDUCTED NOISE	Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B									
OTHERS										
CASE SIZE/WEIGHT	55X26X195mm (WxHxD) /250g 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:50.4W).
 *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.
 ★ marked models are pending for safety approvals. Consult with us for delivery.