PLA15F

A 15







High voltage pulse noise type : NAP series Low leakage current type : NAM series

*A higher current rating EMI/EMC filter may be recommended in view of the other devices that could be connected in parallel with the power supply.



- ①Series name ②Single output ③Output wattage ④Universal input
- ⑤Output voltage
- ®Optional *7
 C: with Coating
 J: Connector interface
- T : Vertical terminal block -N

 : with DIN rail

See 5.1 in Instruction Manual.

*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

SPECIFICATIONS

	MODEL		PLA15F-5	PLA15F-12	PLA15F-15	PLA15F-24			
	VOLTAGE[V]		AC85 - 264 1 φ (Output de	erating is required at AC85V	- 115V. See 1.1 and 3.2 in Ins	truction Manual) *3			
	ACIN 100V		0.4typ (lo=90%)						
	CURRENT[A]	ACIN 115V	0.4typ (lo=100%)						
		ACIN 230V	0.25typ (lo=100%)						
	FREQUENCY[Hz]		50 / 60 (47 - 63)						
	ACIN 100V		72.5typ (lo=90%)	75.5typ (Io=90%)	77.0typ (Io=90%)	78.0typ (Io=90%)			
NPUT	EFFICIENCY[%]	ACIN 115V	73.5typ (lo=100%)	77.0typ (Io=100%)	78.5typ (Io=100%)	79.0typ (lo=100%)			
		ACIN 230V	75.5typ (Io=100%)	78.5typ (Io=100%)	79.5typ (lo=100%)	80.0typ (Io=100%)			
		ACIN 100V	16typ (lo=90%) Ta=25°C a	71 (/	1 0 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1	Total y process			
	INRUSH CURRENT[A]	ACIN 115V	16typ (lo=100%) Ta=25℃						
		ACIN 230V	32typ (Io=100%) Ta=25℃						
	LEAKAGE CURRENT		71 1		ng to IEC60950-1 and DEN-AN	d)			
	VOLTAGE[V]	[IIIA]	5	12	15	24			
	CURRENT[A]		3	1.3	15	0.7			
	CONNENT[A]	ACIN 85-115V		at ACIN 115V or less (refer		0.7			
	WATTAGE[W]	ACIN 85-115V ACIN 115V-264V			15.0	16.0			
	LINE DECLII ATIONIS			15.6		16.8			
	LINE REGULATION[n		20max	48max	60max	96max			
	LOAD REGULATION[40max	100max	120max	150max			
		0 to +50℃	80max	120max	120max	120max			
	RIPPLE[mVp-p] *1	-10 to 0°C		160max	160max	160max			
		lo=0 to 35%		240max	240max	280max			
UTPUT	RIPPLE NOISE[mVp-p] *1 TEMPERATURE REGULATION[mV]	0 to +50°C	120max	150max	150max	150max			
		-10 to 0℃	160max	180max	180max	180max			
		lo=0 to 35%	240max	300max	300max	320max			
		0 to +50°C	50max	120max	150max	240max			
		-10 to +50°C	60max	150max	180max	290max			
	DRIFT[mV]	*2	20max	48max	60max	96max			
	START-UP TIME[ms]		200typ (ACIN 115V, Io=100%) *Start-up time is 700 ms typ for less than 1 minute of applying input again from turning off the input volta						
	HOLD-UP TIME[ms]		20typ (ACIN 115V, Io=100%)						
	OUTPUT VOLTAGE ADJUSTMEN	IT RANGE[V]	4.50 to 5.50	10.80 to 13.20	13.50 to 16.50	21.60 to 26.40			
	OUTPUT VOLTAGE SETT	ING[V]	5.00 to 5.15	12.00 to 12.48	15.00 to 15.60	24.00 to 24.96			
	OVERCURRENT PROTE	CTION	Works over 105% of rating	and recovers automatically		•			
ROTECTION	OVERVOLTAGE PROTE	CTION[V]	5.75 to 7.00	13.80 to 16.80	17.25 to 21.00	27.60 to 33.60			
IRCUIT AND	OPERATING INDICAT	ION	LED (Green)						
THERS	REMOTE SENSING		Not provided						
	REMOTE ON/OFF	-	Not provided Not provided						
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At room temperature)						
OLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At room temperature)						
CLATION	OUTPUT-FG	-	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At room temperature) AC500V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At room temperature)						
	OPERATING TEMP., HUMID. AND	ALTITLINE *5							
	STORAGE TEMP., HUMID.AND		· ·	(Non condensing), 3,000m (· · · · · · · · · · · · · · · · · · ·				
VVIRONMENT	VIBRATION	ALIIIUUE	· ·		· · · · · · · · · · · · · · · · · · ·				
				3minutes period, 60minutes	each along A, Y and Z axes				
	IMPACT		196.1m/s² (20G), 11ms, or		10 LU 500 /F				
AFETY AND	AGENCY APPROVAL	5	. ,		78, UL508 (Except option -J) C	complies with DEN-AN			
OISE	CONDUCTED NOISE			CI-B, CISPR22-B, EN55011-	B, EN55022-B				
EGULATIONS	HARMONIC ATTENU	ATOR *8	Complies with IEC61000-3	3-2 class A					

PLA-2 April 17, 2018



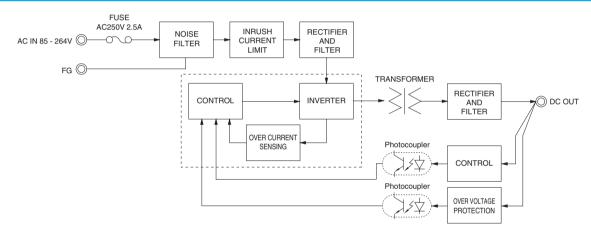
OTHERS	CASE SIZE/WEIGHT	38×80×73mm [1.50×3.15×2.87 inches] (Excluding terminal block and screw) (W×H×D) / 250g max			
OTHERS	COOLING METHOD	Convection			
WARRANTY	WARRANTY *6	5 years (subject to the operating conditions)			

- This is the result of measurement of the testing board with capacitors of 22 μ F and 0.1 μ F placed at 150 mm from the output terminals by a 20 MHz oscilloscope or a ripple-noise meter equivalent to Keisoku Giken RM103.
 - See 1.6 of Instruction Manual for more details.
 - When the load factor is 0 35%, the switching power loss is reduced by burst operation, which will cause ripple and ripple noise to go beyond the specifications.
- *2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.
- As for DC input, consult us for advice.
- Consult us about dynamic load and input response. Measure the output voltage by using the average mode of the tester to deal with the burst operation at 35% load or less
- Output power derating is required. See 3.2 in Instruction Manual.
- See 3.3 in Instruction Manual for more details
- Consult us about safety agency approvals for the models with optional functions Consult us about other classes.
- Do not use the power supply in overcurrent conditions or in unspecified input voltage ranges. Otherwise the internal components may be damaged.
- Parallel operation is not possible with this mode.
- Sound noise may be heard from the power supply when used for pulse load.

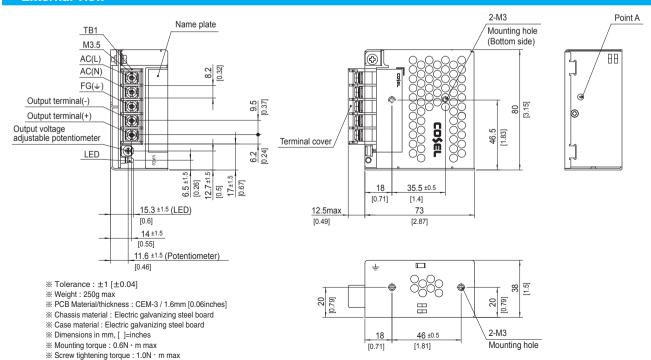
Features

- · Compact design (Depth: 73mm 2.87inches)
- · Low power consumption (1.0W typ AC240Vin, no load at standard model)
- · UL508 approved (Except option -J), and complies with SEMI F47
- · Various connection interface options (vertical terminal [-T], AMP connector [-J])

Block diagram



External view



PLA30F

30







High voltage pulse noise type : NAP series Low leakage current type : NAM series

*A higher current rating EMI/EMC filter may be recommended in view of the other devices that could be connected in parallel with the power supply.



- ①Series name ②Single output ③Output wattage ④Universal input
- ⑤Output voltage
- ®Optional *7
 C: with Coating
 J: Connector interface
 - T : Vertical terminal block
- -N

 : with DIN rail

See 5.1 in Instruction Manual.

*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

SPECIFICATIONS

	MODEL		PLA30F-5	PLA30F-12	PLA30F-15	PLA30F-24			
1	VOLTAGE[V]		AC85 - 264 1 φ (Output der	ating is required at AC85V -	115V. See 1.1 and 3.2 in Insti	ruction Manual) *3			
		ACIN 100V	0.7typ (lo=90%)						
-	CURRENT[A]	ACIN 115V	0.7typ (lo=100%)						
		ACIN 230V	0.4typ (lo=100%)						
Ī	FREQUENCY[Hz]		50 / 60 (47 - 63)						
	ACIN 100V		73.0typ (Io=90%)	80.0typ (lo=90%)	81.0typ (Io=90%)	82.5typ (lo=90%)			
INPUT	EFFICIENCY[%]	ACIN 115V	74.0typ (Io=100%)	80.5typ (lo=100%)	81.5typ (Io=100%)	83.0typ (lo=100%)			
		ACIN 230V	77.0typ (Io=100%)	81.0typ (Io=100%)	82.0typ (Io=100%)	83.5typ (Io=100%)			
		ACIN 100V	16typ (Io=90%) Ta=25℃ at		1 2 3 7 7 7 2 2 2 2 7 7	,			
l I	INRUSH CURRENT[A]	ACIN 115V	16typ (Io=100%) Ta=25℃ a						
		ACIN 230V	32typ (lo=100%) Ta=25°C at cold start						
	LEAKAGE CURRENT		7. 1		g to IEC60950-1 and DEN-AN)			
	VOLTAGE[V]	[]	5	12	15	24			
	CURRENT[A]		6	2.5	2	1.3			
		ACIN 85-115V		at ACIN 115V or less (refer t		1.0			
· 1	WATTAGE[W]	ACIN 115V-264V	30.0	30.0	30.0	31.2			
	LINE REGULATION[n		20max	48max	60max	96max			
_	LOAD REGULATION[mV] *4		40max	100max	120max	150max			
F.	LOAD HEADEAHON	0 to +50℃		120max	120max	120max			
	RIPPLE[mVp-p] *1	-10 to 0°C	140max	160max	160max	160max			
DUTPUT	RIPPLE NOISE[mVp-p] *1 TEMPERATURE REGULATION[mV]	0 to +50°C	120max	150max	150max	150max			
) i		-10 to 0°C	160max	180max	180max	180max			
-		0 to +50°C	50max	120max	150max	240max			
1		-10 to +50°C	60max	150max	180max	290max			
-	DRIFT[mV]	*2	20max	48max	60max	96max			
<u> </u>	START-UP TIME[ms]		2011dx						
-	HOLD-UP TIME[ms]		20typ (ACIN 115V, Io=100%)						
<u> </u>	OUTPUT VOLTAGE ADJUSTMEN	IT DANCEIVI	** .	10.80 to 13.20	13.50 to 16.50	21.60 to 26.40			
	OUTPUT VOLTAGE SETT		5.00 to 5.15	12.00 to 12.48	15.00 to 15.60	24.00 to 24.96			
H-	OVERCURRENT PROTE		Works over 105% of rating		17.05 to 01.00	07.00 +- 00.00			
	OVERVOLTAGE PROTE		5.75 to 7.00	13.80 to 16.80	17.25 to 21.00	27.60 to 33.60			
	OPERATING INDICAT	ION	LED (Green)						
	REMOTE SENSING		Not provided						
	REMOTE ON/OFF		Not provided AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At room temperature)						
<u> </u>	INPUT-OUTPUT				<u> </u>	<u>'</u>			
	INPUT-FG				MΩ min (At room temperature	9)			
	OUTPUT-FG			<u> </u>	Ω min (At room temperature)				
<u> </u>	OPERATING TEMP.,HUMID.AND		· '	Non condensing), 3,000m (1					
NVIRONMENT -	STORAGE TEMP.,HUMID.AND	ALTITUDE							
Ľ	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axes						
	IMPACT		196.1m/s² (20G), 11ms, one	·					
OAII ETT AIRE	AGENCY APPROVAL	S	, ,		8, UL508 (Except option -J) C	omplies with DEN-AN			
· · · · · · · · · · · · · · · · · · ·	CONDUCTED NOISE			I-B, CISPR22-B, EN55011-E	B, EN55022-B				
REGULATIONS	HARMONIC ATTENUA	ATOR *8	Complies with IEC61000-3-	2 class A					

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OTHERS	CASE SIZE/WEIGHT	38×80×88mm [1.50×3.15×3.46 inches] (Excluding terminal block and screw) (W×H×D) / 330g max
	COOLING METHOD	Convection
WARRANTY	WARRANTY *6	5 years (subject to the operating conditions)

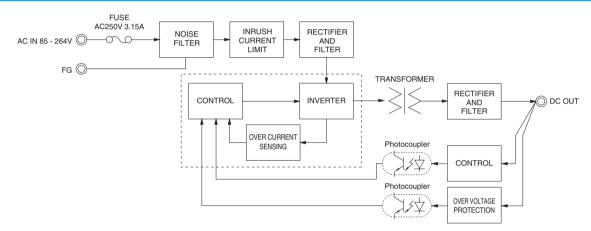
- This is the result of measurement of the testing board with capacitors of 22 μ F and 0.1 μ F placed at 150 mm from the output terminals by a 20 MHz oscilloscope or a ripple-noise meter equivalent to Keisoku Giken RM103.
 - See 1.6 of Instruction Manual for more details.
- *2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.
 *3 As for DC input, consult us for advice.
- Consult us about dynamic load and input response.
- Output power derating is required. See 3.2 in Instruction Manual.
- *6 See 3.3 in Instruction Manual for more details.

- Consult us about safety agency approvals for the models with optional functions.
- Consult us about other classes
- Do not use the power supply in overcurrent conditions or in unspecified input voltage ranges. Otherwise the internal components may be damaged.
- Parallel operation is not possible with this mode.
- Sound noise may be heard from the power supply when used for pulse load.

Features

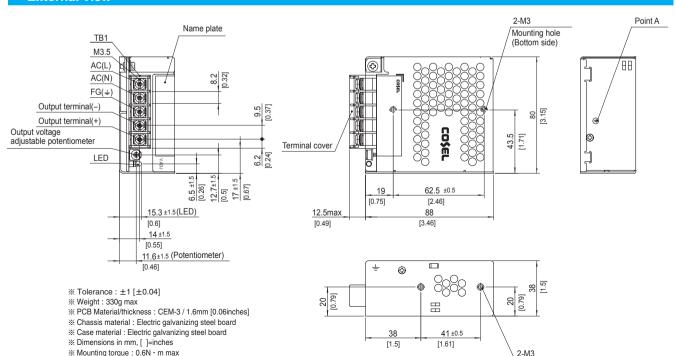
- · Compact design (Depth: 88mm 3.46inches)
- · UL508 approved (Except option -J), and complies with SEMI F47
- · Various connection interface options (vertical terminal [-T], AMP connector [-J])

Block diagram



External view

Screw tightening torque: 1.0N · m max



April 17, 2018 PLA-5

Mounting hole

PLA50F

50









High voltage pulse noise type : NAP series Low leakage current type : NAM series

*A higher current rating EMI/EMC filter may be recommended in view of the other devices that could be connected in parallel with the power supply.



- ①Series name ②Single output ③Output wattage ④Universal input
- ⑤Output voltage
- ®Optional *7
 C: with Coating
 J: Connector interface
- T : Vertical terminal block
- -N

 : with DIN rail

See 5.1 in Instruction Manual.

*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

SPECIFICATIONS

	MODEL		PLA50F-5	PLA50F-12	PLA50F-15	PLA50F-24		
	VOLTAGE[V]		AC85 - 264 1 φ (Output dera	ating is required at AC85V - 1	15V. See 1.1 and 3.2 in Inst	ruction Manual) *3		
		ACIN 100V	0.6typ (Io=90%) 0.7typ (Io=90%)					
	CURRENT[A]	ACIN 115V	0.6typ (lo=100%) 0.7typ (lo=100%)					
		ACIN 230V	0.3typ (Io=100%)	0.4typ (lo=100%)				
	FREQUENCY[Hz]		50 / 60 (47 - 63)	1 . 31 (-		
	ACIN 100V		74.5typ (Io=90%)	80.0typ (lo=90%)	80.0typ (Io=90%)	81.5typ (lo=90%)		
	EFFICIENCY[%]	ACIN 115V	75.0typ (Io=100%)	80.5typ (Io=100%)	80.5typ (Io=100%)	82.0typ (Io=100%)		
NPUT		ACIN 230V	76.5typ (Io=100%)	82.0typ (Io=100%)	82.0typ (Io=100%)	84.0typ (Io=100%)		
0.		ACIN 100V	0.97typ (Io=90%)	0.98typ (Io=90%)	02.0typ (10 10070)	0 110typ (10 10070)		
	POWER FACTOR	ACIN 115V	0.97typ (lo=100%)	0.98typ (Io=100%)				
	· OWENTAGION	ACIN 230V	0.85typ (lo=100%)	0.87typ (Io=100%)				
		ACIN 100V	16typ (Io=90%) Ta=25°C at o	, ,				
	INRUSH CURRENT[A]	ACIN 115V	, ,					
	INTOSTI CONTILITITA	ACIN 113V	16typ (lo=100%) Ta=25°C at cold start 32typ (lo=100%) Ta=25°C at cold start					
-	LEAKAGE CURRENT		71 \ /	, 60Hz, Io=100%, According t	o IEC60950-1 and DEN-AN	1)		
	VOLTAGE[V]	[5	12	15	24		
-	CURRENT[A]		8	4.3	3.5	2.2		
	COMILIVITA	ACIN 85-115V	-	at ACIN 115V or less (refer to		2.2		
	WATTAGE[W]	ACIN 05-115V ACIN 115V-264V	40.0	51.6	52.5	52.8		
-	LINE REGULATION[m		20max	48max	60max	96max		
⊢	LOAD REGULATION[40max	100max	120max	150max		
-	RIPPLE[mVp-p] *1 RIPPLE NOISE[mVp-p] *1 TEMPERATURE REGULATION[mV]	0 to +45℃	80max	120max	120max	120max		
		-10 to 0°C	140max	160max	160max			
UTPUT						160max		
DOTPOT		0 to +45℃	120max	150max	150max	150max		
-		-10 to 0℃	160max	180max	180max	180max		
		0 to +45℃	50max	120max	150max	240max		
-		-10 to +45℃	60max	150max	180max	290max		
	DRIFT[mV] *2		20max	48max	60max	96max		
H	START-UP TIME[ms]		350typ (ACIN 115V, Io=100%)					
	HOLD-UP TIME[ms]		20typ (ACIN 115V, Io=100%	,	1			
-	OUTPUT VOLTAGE ADJUSTMEN			10.80 to 13.20	13.50 to 16.50	21.60 to 26.40		
	OUTPUT VOLTAGE SETTING[V]		5.00 to 5.15	12.00 to 12.48	15.00 to 15.60	24.00 to 24.96		
-	OVERCURRENT PROTE		Works over 105% of rating a	· · · · · · · · · · · · · · · · · · ·	T	[
	OVERVOLTAGE PROTE		5.75 to 7.00	13.80 to 16.80	17.25 to 21.00	27.60 to 33.60		
	OPERATING INDICAT	ION	LED (Green)					
	REMOTE SENSING		Not provided					
	REMOTE ON/OFF		Not provided					
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At room temperature)					
-	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At room temperature)					
	OUTPUT-FG		AC500V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At room temperature)					
	OPERATING TEMP., HUMID. AND			Non condensing), 3,000m (10	·			
NVIRONMENT ⊢	STORAGE TEMP., HUMID. AND	ALTITUDE		Non condensing), 9,000m (30				
_	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axes					
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axes					
, =	AGENCY APPROVAL	S	' '	50-1), EN60950-1, EN50178,		omplies with DEN-AN		
- · ·	CONDUCTED NOISE		Complies with FCC-B, VCCI	-B, CISPR22-B, EN55011-B,	EN55022-B			
REGULATIONS	HARMONIC ATTENUA	ATOD **	Complies with IEC61000-3-2 class A					

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OTHERS	CASE SIZE/WEIGHT	38×80×99mm [1.50×3.15×3.90 inches] (Excluding terminal block and screw) (W×H×D) / 400g max
OTHERS	COOLING METHOD	Convection
WARRANTY	WARRANTY *6	5 years (subject to the operating conditions)

- This is the result of measurement of the testing board with capacitors of 22 μ F and 0.1 μ F placed at 150 mm from the output terminals by a 20 MHz oscilloscope or a ripple-noise meter equivalent to Keisoku-Giken RM103.
 - See 1.6 of Instruction Manual for more details.
- *2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.
- *3 As for DC input, consult us for advice.
- Consult us about dynamic load and input response.
- Output power derating is required. See 3.2 in Instruction Manual.
- *6 See 3.3 in Instruction Manual for more details.

- Consult us about safety agency approvals for the models with optional functions.
- Do not use the power supply in overcurrent conditions or in unspecified input voltage ranges. Otherwise the internal components may be damaged.
- Parallel operation is not possible with this mode.

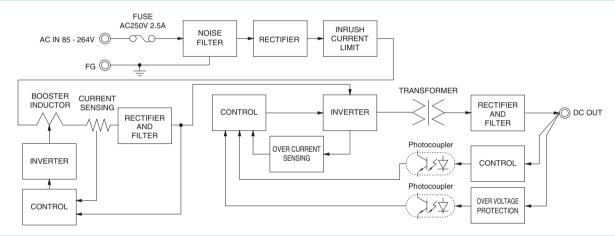
Consult us about other classes

Sound noise may be heard from the power supply when used for pulse load.

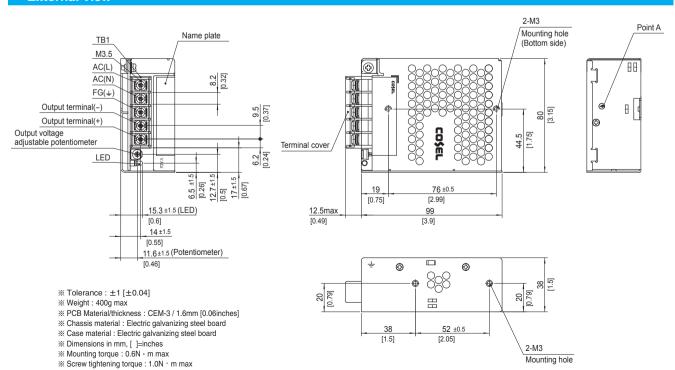
Features

- · Compact design (Depth: 99mm 3.90inches)
- · UL508 approved (Except option -J), and complies with SEMI F47
- · Various connection interface options (vertical terminal [-T], AMP connector [-J])

Block diagram



External view



PLA100F

100









High voltage pulse noise type : NAP series Low leakage current type : NAM series

*A higher current rating EMI/EMC filter may be recommended in view of the other devices that could be connected in parallel with the power supply.

- ①Series name ②Single output ③Output wattage ④Universal input

- ⑤Output voltage
- ®Optional *7
 C: with Coating
 R: Remote on/off (Required external
- power source)
 J : Connector interface
- T : Vertical terminal block
 -N□ : with DIN rail

See 5.1 in Instruction Manual.

*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

SPECIFICATIONS

* Please consider "PBA100F-5-N" about 5V output with case cover.

				100F-5-N" about 5V outpu			T=		
	MODEL		PLA100F-12	PLA100F-15	PLA100F-24	PLA100F-36	PLA100F-48		
	VOLTAGE[V]			t derating is required at	AC85V - 115V. See 1.1	and 3.2 in Instruction Ma	nual) *3		
		ACIN 100V	, , ,	1.2typ (lo=90%)					
	CURRENT[A]	ACIN 115V	1.1typ (lo=100%)						
		ACIN 230V	0.6typ (lo=100%)						
	FREQUENCY[Hz]		50 / 60 (47 - 63)						
		ACIN 100V	82typ (lo=90%)	83typ (lo=90%)	85typ (Io=90%)	86typ (lo=90%)	86typ (Io=90%)		
	EFFICIENCY[%]	ACIN 115V	82typ (lo=100%)	83typ (lo=100%)	85typ (Io=100%)	86typ (lo=100%)	86typ (lo=100%)		
NPUT		ACIN 230V	85typ (lo=100%)	86typ (lo=100%)	88typ (Io=100%)	89typ (lo=100%)	89typ (lo=100%)		
		ACIN 100V	0.98typ (lo=90%)						
	POWER FACTOR	ACIN 115V	0.98typ (lo=100%)						
		ACIN 230V	0.95typ (lo=100%) * F	Power factor correction is	stopped at AC250V or	more.			
		ACIN 100V	16typ (lo=90%) Ta=25°	C at cold start					
	INRUSH CURRENT[A]	ACIN 115V	16typ (lo=100%) Ta=25	5°C at cold start					
		ACIN 230V	32typ (lo=100%) Ta=25	°C at cold start					
	LEAKAGE CURRENT	[mA]	0.75max (ACIN 115V /	240V, 60Hz, Io=100%, A	According to IEC60950-	1 and DEN-AN)			
	VOLTAGE[V]		12	15	24	36	48		
		ACIN 85-115V	Output derating is requ	ired at ACIN 115V or les	s (refer to instruction ma	anual 3.2)			
	CURRENT[A]	ACIN 115V-264V	8.4	6.7	4.3	2.8	2.1		
		ACIN 85-115V	Output derating is requ	ired at ACIN 115V or les	s (refer to instruction ma	anual 3.2)			
	WATTAGE[W]	ACIN 115V-264V	100.8	100.5	103.2	100.8	100.8		
	LINE REGULATION[m	1V] *4	48max	60max	96max	144max	192max		
-	LOAD REGULATION	lo=30 to 100%	100max	120max	150max	150max	300max		
	[mV] *4	lo=0 to 30%	Burst operation (Please	contact us about detail					
F	RIPPLE[mVp-p]	0 to +40°C	120max	120max	120max	150max	150max		
	*1	-10 to 0°C	160max	160max	160max	200max	400max		
UTPUT	lo: load factor	lo=0 to 30%	500max	500max	500max	500max	500max		
	RIPPLE NOISE[mVp-p]	0 to +40℃	150max	150max	150max	200max	200max		
	*1	-10 to 0℃	180max	180max	180max	240max	500max		
	lo: load factor	lo=0 to 30%	600max	600max	600max	600max	600max		
-		0 to +40°C	120max	150max	240max	360max	480max		
	TEMPERATURE REGULATION[mV]	-10 to +40°C	180max	180max	290max	440max	600max		
	DRIFT[mV]	*2	48max	60max	96max	144max	192max		
	START-UP TIME[ms]		500typ (ACIN 115V, Io=		Comax	TTIMOX	TOZITICA		
F	HOLD-UP TIME[ms]		20typ (ACIN 115V, Io=1						
	OUTPUT VOLTAGE ADJUSTMEN	T RANGEIVI	** **	13.50 to 16.50	21.60 to 26.40	32.40 to 39.60	43.20 to 52.80		
F-	OUTPUT VOLTAGE SETT		12.00 to 12.48	15.00 to 15.60	24.00 to 24.96	36.00 to 37.44	48.00 to 49.92		
	OVERCURRENT PROTE			ting and recovers autom		00.00 to 07.44	10.00 10 40.02		
F	OVERVOLTAGE PROTE		13.80 to 16.80	17.25 to 21.00	27.60 to 33.60	41.40 to 50.40	54.00 to 67.20		
	OPERATING INDICAT		LED (Green)	17.20 to 21.00	127.00 10 00.00	11.10 10 00.40	01.00 10 07.20		
	REMOTE SENSING		Not provided						
-	REMOTE ON/OFF		Optional (Required external power source. Option -R)						
	INPUT-OUTPUT • RC	*9	· · ·	toff current = 10mA, DC		nm temnerature)			
	INPUT-FG			toff current = 10mA, DC					
OLATION ⊢	OUTPUT • RC-FG	*9		ff current = 100mA, DC5	<u> </u>				
<u> </u>	OUTPUT-RC	*9		ff current = 100mA, DC5					
	OPERATING TEMP., HUMID. AND /					ng), 3,000m (10,000 feet)	may		
-	STORAGE TEMP., HUMID.AND		· · ·	RH (Non condensing), 9		37	IIIax		
IVIRONMENT -	VIBRATION	ALITIOUE		G), 3minutes period, 60n					
-	IMPACT					anu Z axes			
				, once each X, Y and Z		nt ontion I) Committee :::	th DEN AN		
	AGENCY APPROVALS	5				pt option -J) Complies wi	III DEN-AN		
⊢	CONDUCTED NOISE	TOP ***		VCCI-B, CISPR22-B, EN	100011-B, EN55022-B				
LUCLATIONS	HARMONIC ATTENUA	AIUK *8	Complies with IEC6100	JU-3-∠ Class A					

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OTHERS	CASE SIZE/WEIGHT	41 × 97 × 109mm [1.61 × 3.82 × 4.29 inches] (Excluding terminal block and screw) (W × H × D) / 500g max
	COOLING METHOD	Convection
WARRANTY	WARRANTY *6	5 years (subject to the operating conditions)

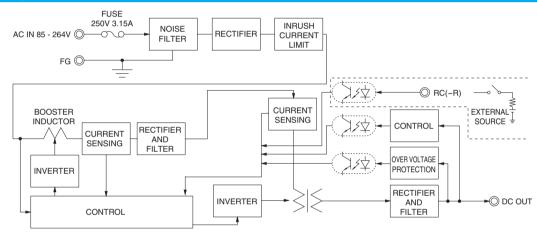
- *1 This is the result of measurement of the testing board with canacitors of 22 U.F. and 0.1 U.F. placed at 150 mm from the output terminals by a 20 MHz oscilloscope or a ripple-noise meter equivalent to Keisoku-Giken RM103. See 1.6 of Instruction Manual for more details.
 - When the load factor is 0 30%, the switching power loss is reduced by burst operation, which will cause ripple and ripple noise to go beyond the specifications.
- Drift is the change in DC output for an eight hour period after a half-
- hour warm-up at 25℃.
- As for DC input, consult us for advice. Consult us about dynamic load and input response. Measure the output
- voltage by using the average mode of the tester to deal with the burst operation at 30% load or less.
- Output power derating is required. See 3.2 in Instruction Manual.
- See 3.3 in Instruction Manual for more details
- Consult us about safety agency approvals for the models with optional functions. Consult us about other classes.

- The RC terminal is added to option -R models. The RC terminal is isolated from input, output, and FG.
- Do not use the power supply in overcurrent conditions or in unspecified input voltage ranges. Otherwise the internal components may be damaged.
- Parallel operation is not possible with this mode
- Sound noise may be heard from the power supply when used for pulse load.

Features

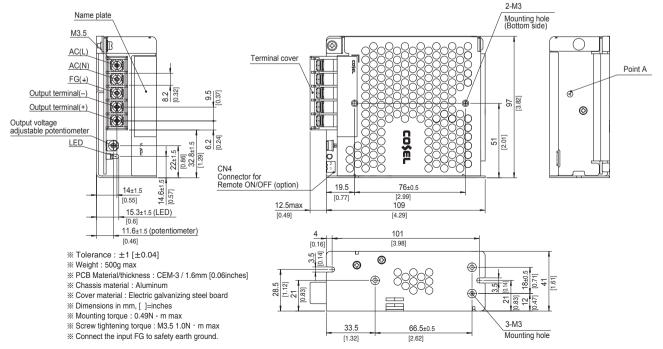
- · Compact design (Depth: 109mm 4.29inches)
- · High efficiency (88%typ PLA100F-24, AC230Vin, 100% load)
- · Low power consumption (1.5W typ AC240Vin, no load at standard model)
- · UL508 approved (Except option -J), and complies with SEMI F47 (see instruction manual 1.1)
- · Various connection interface options (vertical terminal [-T], AMP connector [-J])

Block diagram



External view

The external size of -R option, -J option, -N1 option and -T option models is different from the standard model. See "5. Options and Others" in Instruction Manual for more details.



April 17, 2018

PLA-9

PLA150F

150





Example recommended EMI/EMC filter NAC-04-472



High voltage pulse noise type : NAP series Low leakage current type : NAM series

*A higher current rating EMI/EMC filter may be recommended in view of the other devices that could be connected in parallel with the power supply.

- ①Series name ②Single output ③Output wattage ④Universal input
- ⑤Output voltage
- ®Optional *7
 C: with Coating
 R: Remote on/off (Required external
- power source)
 J : Connector interface
- T : Vertical terminal block
 -N□ : with DIN rail

See 5.1 in Instruction Manual.

*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

SPECIFICATIONS

* Please consider "PBA150F-5-N" about 5V output with case cover.

	CATIONS			150F-5-N" about 5V outp					
	MODEL		PLA150F-12	PLA150F-15	PLA150F-24	PLA150F-36	PLA150F-48		
	VOLTAGE[V]			it derating is required at	AC85V - 115V. See 1.1	and 3.2 in Instruction M	lanual) *3		
	ACIN 100V		1.7typ (Io=90%)						
- 1	CURRENT[A]	ACIN 115V	1.6typ (lo=100%)						
		ACIN 230V	0.8typ (lo=100%)						
	FREQUENCY[Hz]		50 / 60 (47 - 63)						
		ACIN 100V	84typ (lo=90%)	84typ (lo=90%)	87typ (lo=90%)	87typ (lo=90%)	87typ (lo=90%)		
	EFFICIENCY[%]	ACIN 115V	84typ (lo=100%)	84typ (Io=100%)	87typ (Io=100%)	87typ (Io=100%)	87typ (lo=100%)		
IPUT		ACIN 230V	87typ (lo=100%)	87typ (lo=100%)	90typ (lo=100%)	90typ (lo=100%)	90typ (lo=100%)		
		ACIN 100V	0.98typ (Io=90%)						
	POWER FACTOR	ACIN 115V	0.98typ (lo=100%)						
		ACIN 230V	0.95typ (lo=100%) * F	Power factor correction is	s stopped at AC250V or	more.			
		ACIN 100V	16typ (lo=90%) Ta=25°	C at cold start					
-	INRUSH CURRENT[A]	ACIN 115V	16typ (lo=100%) Ta=25	5℃ at cold start					
		ACIN 230V	32typ (lo=100%) Ta=25	5℃ at cold start					
	LEAKAGE CURRENT	[mA]	0.75max (ACIN 115V /	240V, 60Hz, lo=100%,	According to IEC60950	-1 and DEN-AN)			
1	VOLTAGE[V]		12	15	24	36	48		
	CUDDENTIAL	ACIN 85-115V	Output derating is requ	ired at ACIN 115V or le	ss (refer to instruction m	nanual 3.2)			
	CURRENT[A]	ACIN 115V-264V	12.5	10	6.4	4.2	3.2		
Γ,		ACIN 85-115V	Output derating is requ	ired at ACIN 115V or le	ss (refer to instruction m	nanual 3.2)			
	WATTAGE[W]	ACIN 115V-264V	150.0	150.0	153.6	151.2	153.6		
	LINE REGULATION[n	nV] *4	48max	60max	96max	144max	192max		
	LOAD REGULATION	lo=30 to 100%	100max	120max	150max	150max	300max		
	[mV] *4	lo=0 to 30%	Burst operation (Please	e contact us about detai	1)				
	RIPPLE[mVp-p]	0 to +40°C	120max	120max	120max	150max	150max		
	*1	-10 to 0°C	160max	160max	160max	200max	400max		
UTPUT	lo: load factor	lo=0 to 30%	500max	500max	500max	500max	500max		
	RIPPLE NOISE[mVp-p]	0 to +40°C	150max	150max	150max	200max	200max		
		-10 to 0°C	180max	180max	180max	240max	500max		
	lo: load factor		600max	600max	600max	600max	600max		
		0 to +40°C	120max	150max	240max	360max	480max		
	TEMPERATURE REGULATION[mV]	-10 to +40°C	180max	180max	290max	440max	600max		
	DRIFT[mV] *2		48max	60max	96max	144max	192max		
	START-UP TIME[ms]		500typ (ACIN 115V, Io=100%) Ta=25°C						
-	HOLD-UP TIME[ms]		20typ (ACIN 115V, Io=100%) 18=23 C						
_	OUTPUT VOLTAGE ADJUSTMEN	IT RANGE[V]		13.50 to 16.50	21.60 to 26.40	32.40 to 39.60	43.20 to 52.80		
-	OUTPUT VOLTAGE SETT		12.00 to 12.48	15.00 to 15.60	24.00 to 24.96	36.00 to 37.44	48.00 to 49.92		
	OVERCURRENT PROTE			iting and recovers autom			1 10100		
	OVERVOLTAGE PROTE		13.80 to 16.80	17.25 to 21.00	27.60 to 33.60	41.40 to 50.40	54.00 to 67.20		
	OPERATING INDICAT		LED (Green)		1	1	,		
	REMOTE SENSING	-	Not provided						
	REMOTE ON/OFF		Optional (Required external power source. Option -R)						
	INPUT-OUTPUT • RC	*9	, , ,	toff current = 10mA, DC		om temperature)			
	INPUT-FG			toff current = 10mA, DC					
COLATION ⊢	OUTPUT • RC-FG	*9		off current = 100mA, DC					
	OUTPUT-RC	*9		off current = 100mA, DC					
	OPERATING TEMP., HUMID.AND	ALTITUDE *5		erating is required), 20 -			et) max		
	STORAGE TEMP., HUMID.AND			RH (Non condensing), 9			· · / · · · · · · · · · · · · · · · · ·		
NVIRONMENT 🗕	VIBRATION			G), 3minutes period, 60r	· · · · · · · · · · · · · · · · · · ·				
-	IMPACT			s, once each X, Y and Z					
	AGENCY APPROVAL	S .	. //	A60950-1), EN60950-1,		ent ontionI) Complies	with DEN-AN		
	CONDUCTED NOISE			VCCI-B, CISPR22-B, EI		pp. op.ion o, compiles t	MILI DEN AN		
	HARMONIC ATTENU	ATOP *º	Complies with IEC6100		1000 i i-D, LI100022-D				
	I A I I ENU	71011 **	Compiles with IEC0100	00 0-2 01a33 A					

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OTHERS	CASE SIZE/WEIGHT	41×97×129mm [1.61×3.82×5.08 inches] (Excluding terminal block and screw) (W×H×D) / 600g max
	COOLING METHOD	Convection
WARRANTY	WARRANTY *6	5 years (subject to the operating conditions)

This is the result of measurement of the testing board with capacitors of 22 U.F. and 0.1 U.F. placed at 150 mm from the output terminals by a 20. MHz oscilloscope or a ripple-noise meter equivalent to Keisoku-Giken

See 1.6 of Instruction Manual for more details.

When the load factor is 0 - 30%, the switching power loss is reduced by burst operation, which will cause ripple and ripple noise to go beyond the specifications

*2 Drift is the change in DC output for an eight hour period after a half-

hour warm-up at 25℃.

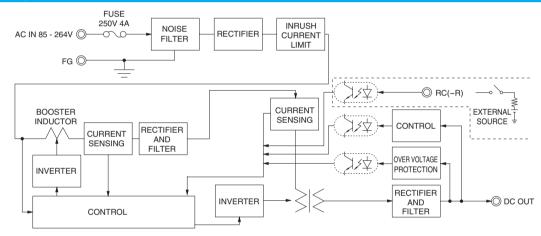
- As for DC input, consult us for advice Consult us about dynamic load and input response. Measure the output
- voltage by using the average mode of the tester to deal with the burst operation at 30% load or less.
- Output power derating is required. See 3.2 in Instruction Manual.
- See 3.3 in Instruction Manual for more details.
- Consult us about safety agency approvals for the models with optional functions.
- Consult us about other classes

- The RC terminal is added to option -R models. The RC terminal is isolated from input, output, and FG.
- Do not use the power supply in overcurrent conditions or in unspecified input voltage ranges. Otherwise the internal components may be damaged.
- Parallel operation is not possible with this mode
- Sound noise may be heard from the power supply when used for pulse load.

Features

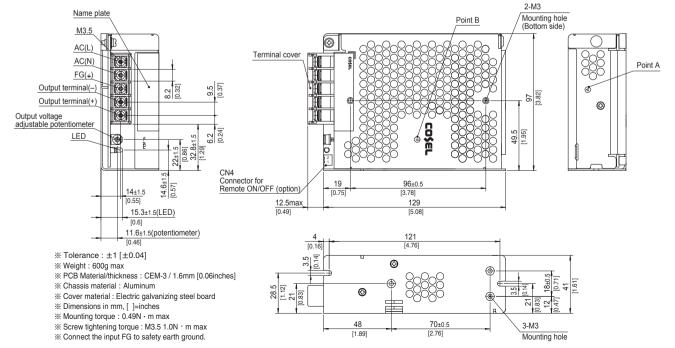
- · Compact design (Depth: 129mm 5.08inches)
- · High efficiency (90%typ PLA150F-24, AC230Vin, 100% load)
- · Low power consumption (1.5W typ AC240Vin, no load at standard model)
- · UL508 approved (Except option -J), and complies with SEMI F47 (see instruction manual 1.1)
- · Various connection interface options (vertical terminal [-T], AMP connector [-J])

Block diagram



External view

The external size of -R option, -J option, -N1 option and -T option models is different from the standard model. See "5. Options and Others" in Instruction Manual for more details.



PLA300F

300



Example recommended EMI/EMC filter NAC-06-472

High voltage pulse noise type : NAP series Low leakage current type : NAM series

*A higher current rating EMI/EMC filter may be recommended in view of the other devices that could be connected in parallel with the power supply.

- ①Series name ②Single output ③Output wattage ④Universal input
- ⑤Output voltage
- (a) Output voltage
 (b) Optional *7
 C: with Coating
 G: Low leakage current
 V: External potentiometer for
- output voltage adjustment U: Low input voltage stop (Complies with SEMI F-47) R: Remote on/off
- (Required external power source)
- F4: Low speed fan
- T2: Horizontal terminal block (non-screw-hold type)

See 5.1 in Instruction Manual.

*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

SPECIFICATIONS

	MODEL		PLA300F-5	PLA300F-12	PLA300F-15	PLA300F-24	PLA300F-36	PLA300F-48			
	VOLTAGE[V]		AC85 - 264 1 φ (O	utput derating is requ	uired at AC85V - 115	V. See 1.1 and 3.2 ir	Instruction Manual)	*3			
	ACIN 100V		3.1typ (lo=90%)	3.4typ (lo=90%)							
	CURRENT[A]	ACIN 115V	3.0typ (lo=100%)	.0typ (lo=100%) 3.3typ (lo=100%)							
		ACIN 230V	1.5typ (lo=100%)	1.7typ (lo=100%)							
	FREQUENCY[Hz]		50 / 60 (47 - 63)	, , , , , , , , , , , , , , , , , , , ,							
		ACIN 100V	73typ (lo=90%)	78typ (Io=90%)	79typ (Io=90%)	81typ (lo=90%)	81typ (lo=90%)	82typ (lo=90%)			
	EFFICIENCY[%]	ACIN 115V	74typ (lo=100%)	78typ (lo=100%)	80typ (lo=100%)	82typ (lo=100%)	82typ (lo=100%)	83typ (lo=100%)			
NPUT		ACIN 230V	77typ (lo=100%)	81typ (lo=100%)	83typ (lo=100%)	86typ (Io=100%)	86typ (Io=100%)	86typ (Io=100%			
		ACIN 100V	0.98typ (lo=90%)	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,					
	POWER FACTOR	ACIN 115V	0.98typ (lo=100%)								
		ACIN 230V	0.95typ (lo=100%)								
		ACIN 100V	20typ (lo=90%) Ta=	=25°C at cold start							
	INRUSH CURRENT[A]	ACIN 115V	20typ (lo=100%) Ta								
		ACIN 230V	40typ (Io=100%) Ta		-						
	LEAKAGE CURRENT		, , ,		100%, According to	EC60950-1 and DE	N-AN)				
	VOLTAGE[V]		5	12	15	24	36	48			
		ACIN 85-115V	-		V or less (refer to ins	l .	1				
	CURRENT[A]	ACIN 115V-264V	50	25	20	12.5	8.4	6.3			
		ACIN 85-115V	Output derating is r	equired at ACIN 115	V or less (refer to ins	struction manual 3.2					
	WATTAGE[W]	ACIN 115V-264V	250	300	300	300	302.4	302.4			
	LINE REGULATION[mV] *4		20max	48max	60max	96max	144max	192max			
	LOAD REGULATION		40max	100max	120max	150max	150max	300max			
	RIPPLE NOISE[mVp-p]	0 to +50℃	80max	120max	120max	120max	150max	150max			
		-10 to 0°C	140max	160max	160max	160max	160max	400max			
DUTPUT		0 to +50°C	120max	150max	150max	150max	200max	200max			
	**	-10 to 0°C	160max	180max	180max	180max	240max	500max			
		0 to ±50°C	50max	120max	150max	240max	360max	480max			
	TEMPERATURE REGULATION[mV]	-10 to +50°C	75max	180max	180max	290max	440max	600max			
	DRIETImVI	*2	20max	48max	60max	96max	144max	192max			
	DRIFT[mV] *2 START-UP TIME[ms]				OUTIAX	Joinax	144IIIax	192IIIdx			
	HOLD-UP TIME[ms]		300typ (ACIN 115V, Io=100%) 20typ (ACIN 115V, Io=100%)								
	OUTPUT VOLTAGE ADJUSTME	NT DANCEIVI	4.50 to 5.50	10.80 to 13.20	13.50 to 16.50	21.60 to 26.40	32.40 to 39.60	43.20 to 52.80			
				12.00 to 12.48	15.00 to 15.60	24.00 to 24.96		48.00 to 49.92			
	OUTPUT VOLTAGE SETT		5.00 to 5.15			24.00 10 24.96	36.00 to 37.44	48.00 to 49.92			
	OVERCURRENT PROTE			of rating and recover		07 60 to 00 00	41 40 to 50 40	EE 00 to 07 00			
PROTECTION CIRCUIT AND	OVERVOLTAGE PROTE		5.75 to 7.00	13.80 to 16.80	17.25 to 21.00	27.60 to 33.60	41.40 to 50.40	55.20 to 67.20			
OTHERS		IION	LED (Green)								
JIIILIIU	REMOTE SENSING		Not provided								
	REMOTE ON/OFF	*10	Optional (Required external power source. Option -R) AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At room temperature)								
	INPUT-OUTPUT • RC	*10									
SOLATION	OUTPUT • RC-FG	440			mA, DC500V 50M Ω nA, DC500V 50M Ω						
	OUTPUT-RC	*10		,							
					nA, DC500V 50MΩ						
	OPERATING TEMP.,HUMID.AND		, ,		d), 20 - 90%RH (Noi		orii (10,000 teet) max				
ENVIRONMENT	STORAGE TEMP., HUMID.AND	ALIIIUDE	· · · · · · · · · · · · · · · · · · ·		nsing), 9,000m (30,00						
	VIBRATION				iod, 60minutes each	along X, Y and Z ax	es				
	IMPACT		. ,,,	1ms, once each X, Y			i				
SAFETY AND	AGENCY APPROVAL				950-1, EN50178 Co						
NOISE	CONDUCTED NOISE		-		22-B, EN55011-B, EN	155022-B					
REGULATIONS	HARMONIC ATTENU	ATOR *9	Complies with IEC6	1000-3-2 class A							

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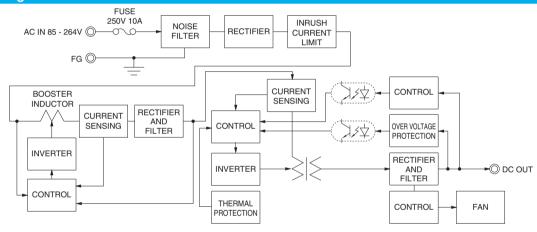
OTHERS	CASE SIZE/WEIGHT	102 X 41 X 190mm [4.02 X 1.61 X 7.48 inches] (Excluding terminal block and screw) (WXHXD) / 1.0kg max
OTHERS	COOLING METHOD *8	Forced cooling (internal fan)
WARRANTY	WARRANTY *6	5 years (subject to the operating conditions)

- *1 This is the result of measurement of the testing board with capacitors of 22 U.F. and 0.1 U.F. placed at 150 mm from the output terminals by a 20. MHz oscilloscope or a ripple-noise meter equivalent to Keisoku-Giken
 - See 1.6 of Instruction Manual for more details.
- *2 Drift is the change in DC output for an eight hour period after a half-hour arm-up at 25°C
- Output power derating is required. As for DC input, consult us for advice.
- See 3.2 in Instruction Manual
- See 3.3 in Instruction Manual for more details
- Consult us about safety agency approvals for the models with optional functions.
- The fan speed slows down at no load. Consult us about other classes.
- *10 The RC terminal is added to option -R models. The RC terminal is isolated from input, output, and FG.
- Do not use the power supply in overcurrent conditions or in unspecified input voltage ranges. Otherwise the internal components may be damaged.
- Parallel operation is not possible with this mode.
- Sound noise may be heard from the power supply when used for pulse load.

Features

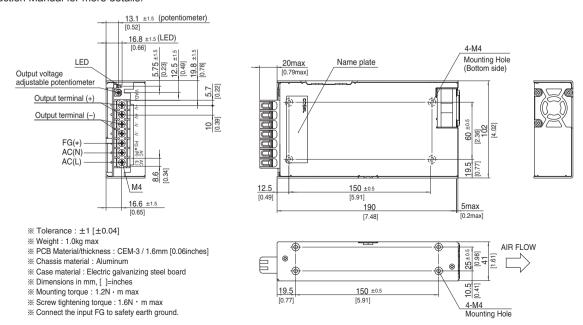
- · Cost-effective
- · Longer life (see Instruction Manual)
- · Low profile (meets 1U height = 41 mm or 1.61 inches)
- ·Wide operating temperature range (-20°C to +70°C see instruction manual)
- · Screw hold type terminal block
- · Slow fan speed at no load
- · Many optional functions
- · Complies with SEMI F-47 (-U option, see Instruction Manual for details)

Block diagram



External view

The external size of -V option, -R option, and -T2 option models is different from the standard model. See "5. Options and Others" in Instruction Manual for more details.



PLA600F

600



- 1) Series name
 2) Single output
 3) Output wattage
 4) Universal input
 5) Output voltage
 6) Optional *7

 - Optional *7
 C: with Coating
 G: Low leakage current
 V: External potentiometer for output voltage adjustment
 U: Low input voltage stop (Complies with SEMI F-47)
 W: Parallel operation,
 LV alarm Remote sensing
 R: Remote on/off (Required external power source)
 F4: Low speed fan

 - F4: Low speed fan
 T2: Horizontal terminal block

 - (non-screw-hold type)

See 5.1 in Instruction Manual.

*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations. *Please consider "PJA600F-5" about 5V output.

SPECIFICATIONS

MODEL		PLA600F-12	PLA600F-15	PLA600F-24	PLA600F-36	PLA600F-48	
VOLTAGE[V]		AC85 - 264 1 φ (Outpu	t derating is required at a	AC85V - 115V. See 1.1	and 3.2 in Instruction Ma	nual) *4	
	ACIN 100V	6.7typ (lo=90%)					
CURRENT[A]	ACIN 115V	6.5typ (lo=100%)					
	ACIN 230V	3.2typ (lo=100%)					
FREQUENCY[Hz]		50 / 60 (47 - 63)					
	ACIN 100V	81typ (lo=90%)	81typ (lo=90%)	84typ (lo=90%)	85typ (lo=90%)	85typ (lo=90%)	
EFFICIENCY[%]	ACIN 115V	81typ (lo=100%)	81typ (lo=100%)	84typ (lo=100%)	85typ (lo=100%)	85typ (lo=100%)	
	ACIN 230V	84typ (lo=100%)	84typ (lo=100%)	88typ (lo=100%)	88typ (lo=100%)	88typ (lo=100%)	
POWER FACTOR	ACIN 100V	0.98typ (lo=90%)					
	ACIN 115V	0.98typ (lo=100%)					
	ACIN 230V	0.95typ (lo=100%)					
	ACIN 100V	20/40typ (lo=90%) (Primary inrush current /Secondary inrush current) (More than 3sec to re-start)					
INRUSH CURRENT[A]	ACIN 115V	20/40typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 3sec to re-start)					
	ACIN 230V	40/40typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 3sec to re-start)					
LEAKAGE CURRENT	[mA]	1.5max (ACIN 115V / 240V, 60Hz, Io=100%, According to IEC60950-1 and DEN-AN)					
VOLTAGE[V]		12	15	24	36	48	
	ACIN 85-115V	Output derating is requ	ired at ACIN 115V or les	s (refer to instruction m	anual 3.2)		
WATTAGE[W] LINE REGULATION[r LOAD REGULATION] RIPPLE[mVp-p] * RIPPLE NOISE[mVp-p] *	ACIN 115V-264V	50	40	25	16.7	12.5	
	ACIN 85-115V		1				
	ACIN 115V-264V	600	600	600	601.2	600	
	nV] *8	48max	60max	96max	144max	192max	
		100max	120max	150max	150max	300max	
			120max	120max	150max	150max	
			160max	160max	160max	400max	
	0 to +50°C	150max	+	+	200max	200max	
					240max	500max	
		120max	150max	240max	360max	480max	
TEMPERATURE REGULATION[mV]	-20 to +50°C	180max	180max	290max	440max	600max	
DRIFT[mV]	*2	48max	60max	96max	144max	192max	
		300tvp (ACIN 115V. Io=	=100%)				
OUTPUT VOLTAGE ADJUSTM	NT RANGE[V]	, ,	· ·	21.60 to 26.40	32.40 to 39.60	43.20 to 52.80	
		12.00 to 12.48	15.00 to 15.60	24.00 to 24.96	36.00 to 37.44	48.00 to 49.92	
ROTECTION OVERVOLTAGE PROTE		13.80 to 16.80	17.25 to 21.00	27.60 to 33.60	41.40 to 50.40	55.20 to 67.20	
		LED (Green)					
		Optional (Option -W)					
REMOTE ON/OFF		Optional (Required external power source. Option -R)					
OLATION INPUT-OUTPUT • RC INPUT-FG OUTPUT • RC-FG OUTPUT-RC	*3						
		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At room temperature)					
	*3						
	*3	AC500V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At room temperature)					
OPERATING TEMP., HUMID. AND	ALTITUDE *5						
		` '					
VIBRATION			10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axes				
IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axes					
AGENCY APPROVALS		UL60950-1, C-UL (CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN					
AGENCY APPROVAL	.5	Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B, EN55022-B					
CONDUCTED NOISE							
	VOLTAGE[V] CURRENT[A] FREQUENCY[Hz] EFFICIENCY[%] POWER FACTOR INRUSH CURRENT[A] LEAKAGE CURRENT VOLTAGE[V] CURRENT[A] WATTAGE[W] LINE REGULATION[n LOAD REGULATION[mV] RIPPLE [mVp-p] ** TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] OUTPUT VOLTAGE ADJUSTME! OUTPUT VOLTAGE SETT OVERCURRENT PROTIE OVERCURRENT PROTIE OPERATING INDICAT REMOTE ON/OFF INPUT-OUTPUT • RC INPUT-FG OUTPUT-RC OPERATING TEMP,HUMID.AND STORAGE TEMP,HUMID.AND VIBRATION	VOLTAGE[V]	VOLTAGE[V]	CURRENT[A]	ACIN 1507 ACI	ACR 10 ACR 10	

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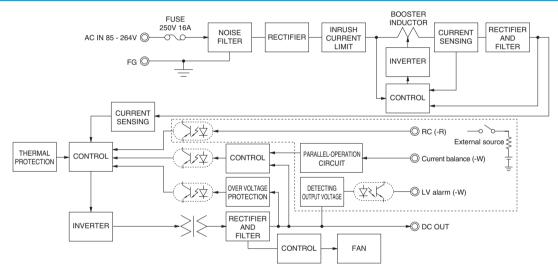
OTHERS	CASE SIZE/WEIGHT	120×61×215mm [4.72×2.40×8.46 inches] (Excluding terminal block and screw) (W×H×D) / 2.0kg max
OTHERS	COOLING METHOD	*9 Forced cooling (internal fan)
WARRANTY	WARRANTY	*6 5 years (subject to the operating conditions)

- This is the result of measurement of the testing board with capacitors of 22 μ F and 0.1 μ F placed at 150 mm from the output terminals by a 20 MHz oscilloscope or a ripple-noise meter equivalent to Keisoku-Giken RM103
- See 1.6 of Instruction Manual for more details. Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25 °C.
- The BC terminal is added to option -B models. The BC terminal is
- isolated from input, output, and FG. As for DC input, consult us for advice
- Output power derating is required. See 3.2 in Instruction Manual. See 3.3 in Instruction Manual for more details.
- Consult us about safety agency approvals for the models with optional functions
- *8 Consult us about dynamic load and input response
- The fan speed slows down at no load
- *10 Consult us about other classes.
- Do not use the power supply in overcurrent conditions or in unspecified input voltage ranges. Otherwise the internal components may be damaged. Parallel operation is allowed for PLA600F models with the –W option only.
- Sound noise may be heard from the power supply when used for pulse load.

Features

- · Cost-effective
- · Longer life (see Instruction Manual)
- · Low profile (meets 2U height = 61 mm or 2.40 inches)
- · Wide operating temperature range (-20°C to +70°C see instruction manual)
- · Screw hold type terminal block
- · Slow fan speed at no load
- · Many optional functions
- · Complies with SEMI F-47 (-U option, see Instruction Manual for details)

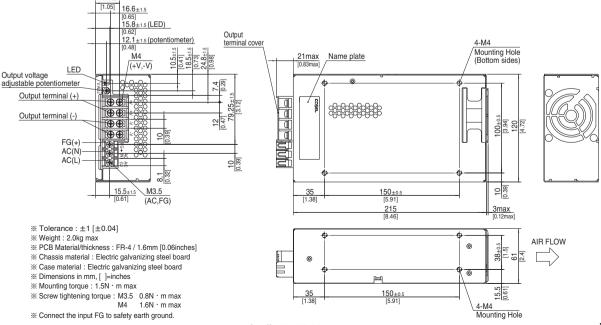
Block diagram



External view

26.6±1.

The external size of -V option, -W option, -R option, and -T2 option is different from the standard model. See "5. Options and Others" in Instruction Manual for more details.





Макро Групп – это:

- дистрибьютор электронных компонентов с 1994 года
- контрактный производитель электроники с 2007 года с собственным производством в Санкт-Петербурге (компания Макро ЕМС, входит в ГК Макро Групп)
- поставщик полупроводниковых материалов
- комплексный поставщик электронных компонентов
- моделирование и производство полупроводниковых эпитаксиальных гетероструктур для задач оптоэлектроники

Головной офис расположен в Санкт-Петербурге. Собственные представительства в крупных промышленных городах России и стран СНГ.

Преимущества для наших заказчиков:

- работа по тендерам с 2012 года
- оформление банковских гарантий
- отсрочки платежей
- поставка электронных компонентов по проектным ценам
- инженерная поддержка проектов заказчиков
- сертификат системы менеджмента качестве ISO 9001-2015
- необходимые сертификаты и лицензии

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