
**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
C : with Coating
G : Low leakage current
N : with Cover
R : with Remote ON/OFF

MODEL	PAA100F-3	PAA100F-5	PAA100F-12	PAA100F-15	PAA100F-24	PAA100F-48
MAX OUTPUT WATTAGE[W]	60	100	102	105	108	100.8
DC OUTPUT	3V 20A	5V 20A	12V 8.5A	15V 7A	24V 4.5A	48V 2.1A

SPECIFICATIONS

	MODEL	PAA100F-3	PAA100F-5	PAA100F-12	PAA100F-15	PAA100F-24	PAA100F-48		
INPUT	VOLTAGE[V]		AC85 - 264 1 ϕ or DC120 - 340						
	CURRENT[A]	ACIN 100V	0.9typ	1.4typ					
		ACIN 200V	0.45typ	0.7typ					
	FREQUENCY[Hz]		50/60 (47 - 63)						
	EFFICIENCY[%]		65typ	74typ	76typ	77typ	79typ	79typ	
	POWER FACTOR	ACIN 100V	0.99typ (Io=100%)						
		ACIN 200V	0.95typ (Io=100%)						
	INRUSH CURRENT[A]	ACIN 100V	20typ (Io=100%) (At cold start)						
ACIN 200V		40typ (Io=100%) (At cold start)							
LEAKAGE CURRENT[ma]		0.75max (60Hz, According to UL, CSA, VDE and DEN-AN)							
OUTPUT	VOLTAGE[V]		3	5	12	15	24	48	
	CURRENT[A]		20	20	8.5	7	4.5	2.1	
	LINE REGULATION[mV]		20max	20max	48max	60max	96max	192max	
	LOAD REGULATION[mV]		40max	40max	100max	120max	150max	240max	
	RIPPLE[mVp-p]	0 to +50℃ *1	80max	80max	120max	120max	120max	150max	
		-10 - 0℃ *1	140max	140max	160max	160max	160max	200max	
	RIPPLE NOISE[mVp-p]	0 to +50℃ *1	120max	120max	150max	150max	150max	400max	
		-10 - 0℃ *1	160max	160max	180max	180max	180max	600max	
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	50max	120max	150max	240max	480max	
		-10 to +50℃	60max	60max	150max	180max	290max	600max	
	DRIFT[mV]		*2	20max	20max	48max	60max	96max	192max
	START-UP TIME[ms]		500max (ACIN 85V, Io=100%)						
HOLD-UP TIME[ms]		20typ (Io=100%)							
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.85 - 3.6	±10%						
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically						
	OVERVOLTAGE PROTECTION		4.00 - 5.25V	Works at 115 - 140% of rating					
	OPERATING INDICATION		LED (Green)						
	REMOTE SENSING		Provided						
	REMOTE ON/OFF		Optional (Refer to Instruction Manual)						
ISOLATION	INPUT-OUTPUT · RC	*3	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	*3	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)						
	OUTPUT-RC	*3	AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩ min (At Room Temperature)						
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +65℃, 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, EN60950-1, EN50178, CSA C22.2 No.234 Complies with DEN-AN and IEC60950-1						
	CONDUCTED NOISE		Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B						
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2						
OTHERS	CASE SIZE/WEIGHT		50×93×189mm (without terminal block) (W×H×D) /700g max (without cover)						
	COOLING METHOD		Convection						

*1 According to 20MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN : RM101).

*2 Drift is 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 Applicable when Remote ON/OFF (optional) is added.

* Derating is required when operated with cover.

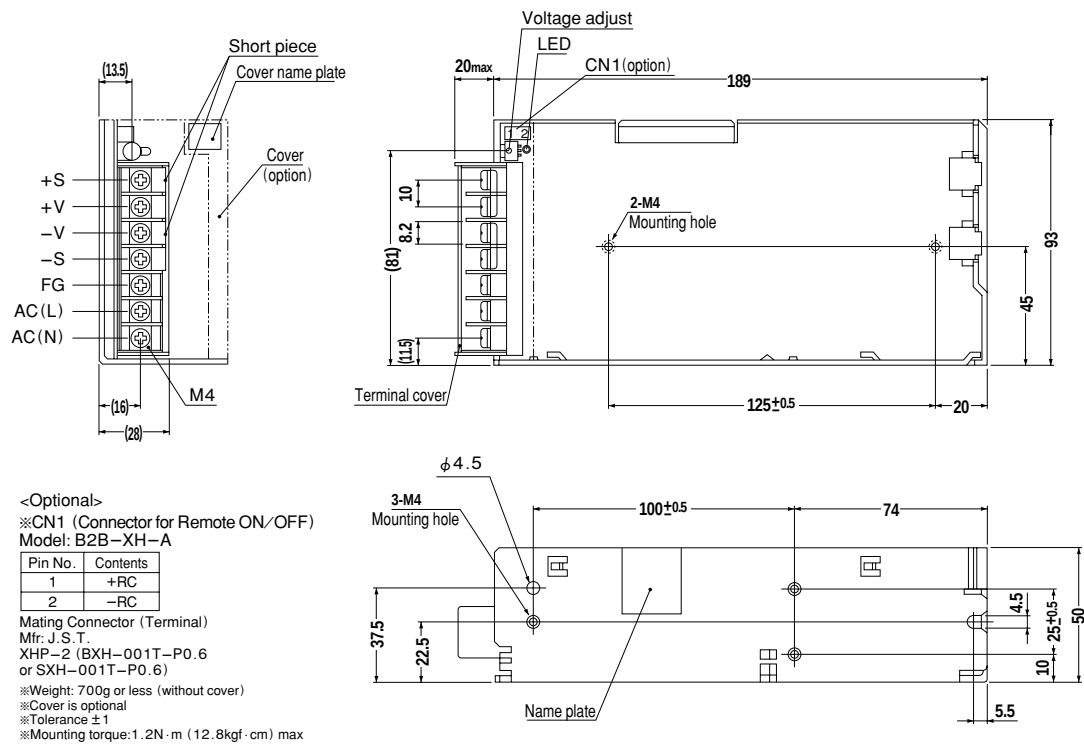
Distribution:

RSG Electronic Components GmbH ■ Sprendlinger Landstr. 115 ■ D-63069 Offenbach/Germany

Tel. +49 69 984047-0 ■ Fax +49 69 984047-77 ■ info@rsg-electronic.de ■ www.rsg-electronic.de

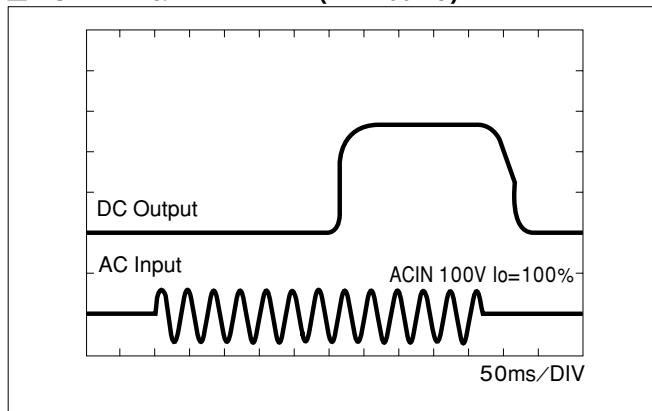
Änderungen vorbehalten / subject to change without notice

External view

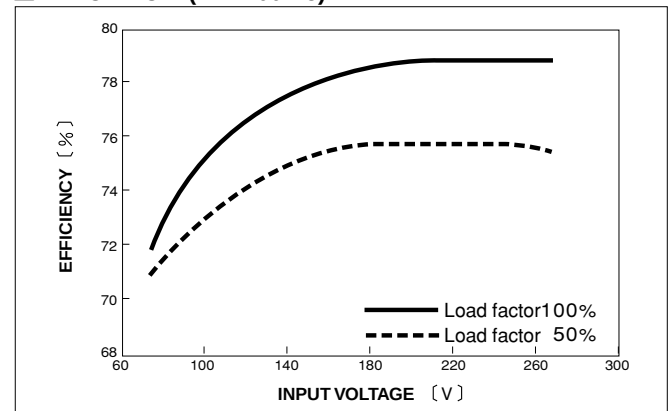


Performance data

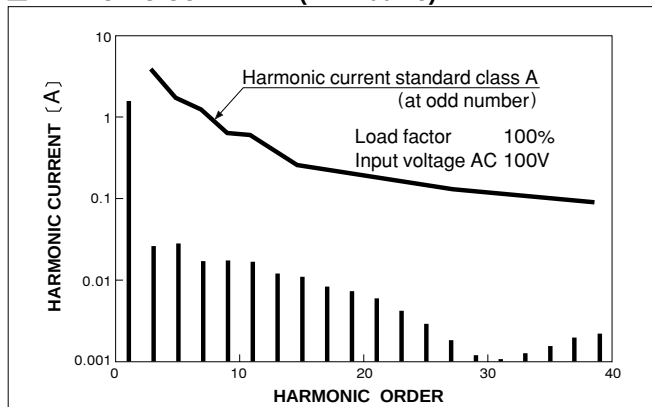
RISE TIME & FALL TIME (PAA100F-5)



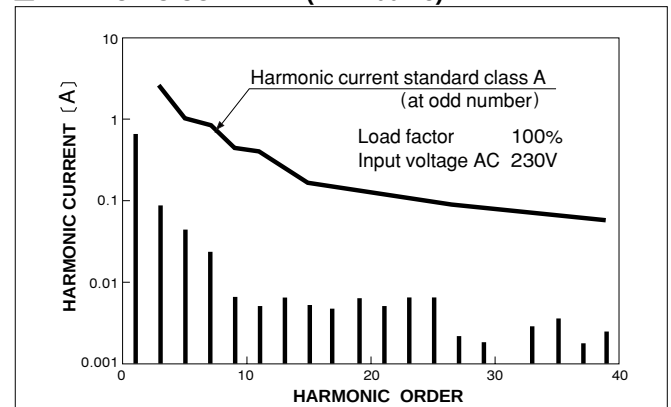
EFFICIENCY (PAA100F-5)



HARMONIC CURRENT (PAA100F-5)



HARMONIC CURRENT (PAA100F-5)



Distribution:

RSG Electronic Components GmbH ■ Spremlinger Landstr. 115 ■ D-63069 Offenbach/Germany
 Tel. +49 69 984047-0 ■ Fax +49 69 984047-77 ■ info@rsg-electronic.de ■ www.rsg-electronic.de

Änderungen vorbehalten / subject to change without notice