

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	PAA150F-3	PAA150F-5	PAA150F-12	PAA150F-15	PAA150F-24	PAA150F-48
MAX OUTPUT WATTAGE[W]	90	150	156	150	156	158.4
DC OUTPUT	3V 30A	5V 30A	12V 13A	15V 10A	24V 6.5A	48V 3.3A

SPECIFICATIONS

	MODEL	PAA150F-3	PAA150F-5	PAA150F-12	PAA150F-15	PAA150F-24	PAA150F-48	
INPUT	VOLTAGE[V]		AC85 - 264 1 ϕ or DC120 - 340					
	CURRENT[A]	ACIN 100V	1.4typ	2.0typ				
		ACIN 200V	0.7typ	1.0typ				
	FREQUENCY[Hz]		50/60 (47 - 63)					
	EFFICIENCY[%]		67typ	75typ	78typ	80typ	81typ	81typ
	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]		30	30	13	10	6.5	3.3
	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℃, 10 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max					
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 10 - 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, 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		65×93×199mm (without terminal block) (W×H×D) /900g 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.

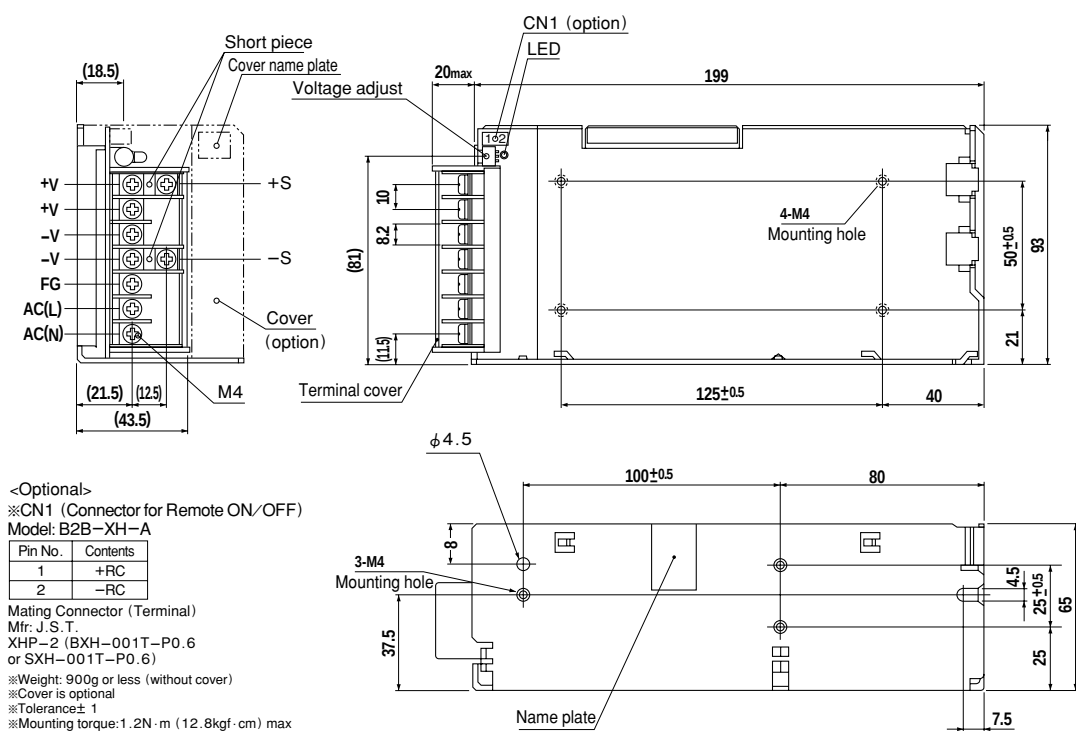
* Derating is required when operated with cover.

Distribution:

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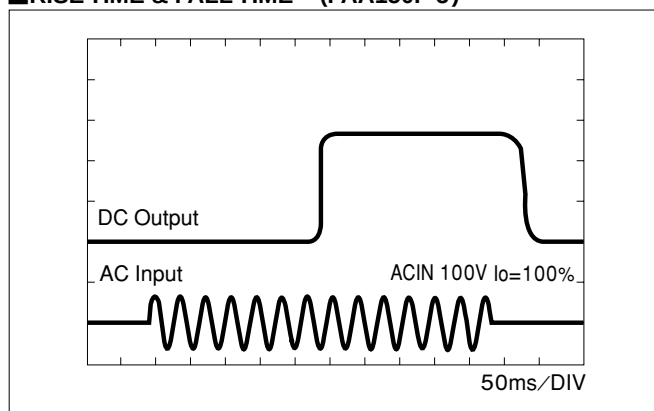
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External view

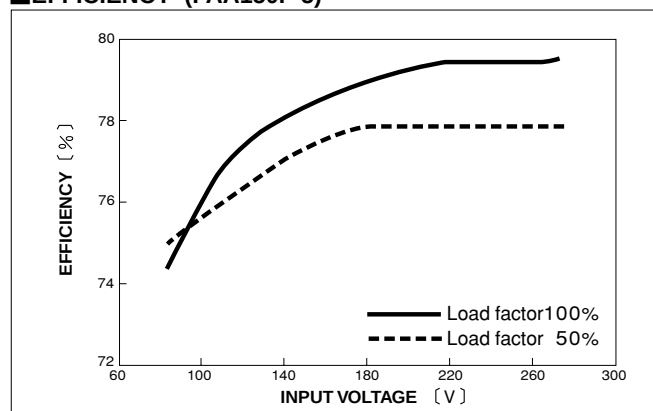


Performance data

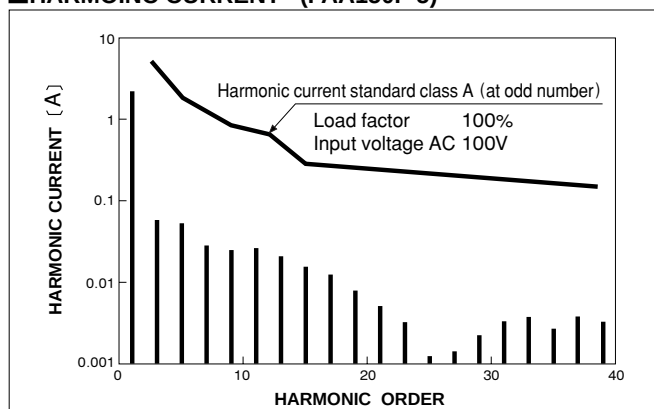
■ RISE TIME & FALL TIME (PAA150F-5)



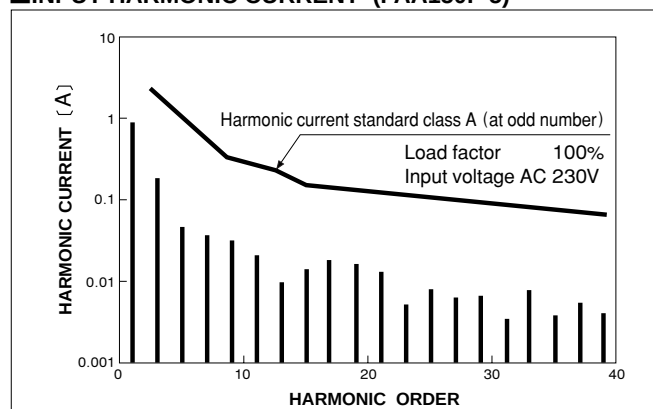
■ EFFICIENCY (PAA150F-5)



■HARMOINC CURRENT (PAA150F-5)



■ INPUT HARMONIC CURRENT (PAA150F-5)



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