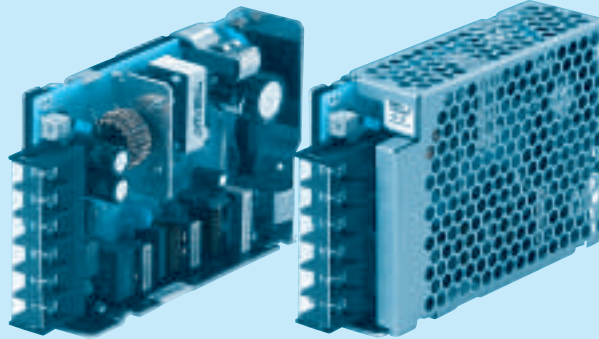


PB W 50 F -□ -□

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 Dual output
③ Output wattage
④ Universal input
⑤ Output voltage
⑥ Optional
C : with Coating
G : Low leakage current (0.15mA max / ACIN 240V)
E : Low leakage current and EMI class A (0.5mA max / ACIN 240V)
T : Vertical terminal block
J : Connector type
R : with Remote ON/OFF
N : with Cover
N1 : with DIN rail
V : Output voltage setting potentiometer externaly

Cover is optional

MODEL	PBW50F-5	PBW50F-12	PBW50F-15
MAX OUTPUT WATTAGE[W]	30	50.4	51
DC OUTPUT	VOLTAGE[V]	±5 (+10)	±12 (+24)
	CURRENT1[A]	3.0	2.1
	CURRENT2[A]	4.0	2.7

SPECIFICATIONS

	MODEL	PBW50F-5	PBW50F-12	PBW50F-15	
INPUT	VOLTAGE[V]	AC85 - 264 1 φ or DC120 - 370 (AC50 or DC70 Please refer to the instruction manual 2.1 Input voltage *3)			
	CURRENT[A]	ACIN 100V	0.45typ (CURRENT1)	0.70typ (CURRENT1)	
		ACIN 200V	0.30typ (CURRENT1)	0.40typ (CURRENT1)	
	FREQUENCY[Hz]	50/60 (47 - 63)			
	EFFICIENCY[%]	ACIN 100V	76typ (CURRENT1)	81typ (CURRENT1)	81typ (CURRENT1)
		ACIN 200V	77typ (CURRENT1)	83typ (CURRENT1)	83typ (CURRENT1)
	POWER FACTOR(Lo=100%)	ACIN 100V	0.98typ	0.99typ	
		ACIN 200V	0.87typ	0.93typ	
INRUSH CURRENT[A]	ACIN 100V	15typ (CURRENT1) (At cold start)			
	ACIN 200V	30typ (CURRENT1) (At cold start)			
LEAKAGE CURRENT[mA]	0.40/0.75max (ACIN 100V/240V 60Hz, Io=100%, According to IEC60950-1.DENAN)				
OUTPUT	VOLTAGE[V]	±5 (+10)	±12 (+24)	±15 (+30)	
	CURRENT1[A]	3.0	2.1	1.7	
	CURRENT2[A]	4.0	2.7	2.4	
	LINE REGULATION[mV]	20max	48max	60max	
	LOAD REGULATION 1[mV]	250max	600max	600max	
	LOAD REGULATION 2[mV]	500max	750max	750max	
	RIPPLE[mVp-p]	0 to +50°C	80max	120max	120max
		-10 - 0°C	140max	160max	160max
	RIPPLE NOISE[mVp-p]	0 to +50°C	120max	150max	150max
		-10 - 0°C	160max	180max	180max
	TEMPERATURE REGULATION[mV]	0 to +50°C	50max	120max	150max
		-10 to +50°C	60max	150max	180max
	DRIFT[mV]	20max	48max	60max	
	START-UP TIME[ms]	350typ(ACIN 100V, Io=100%)			
	HOLD-UP TIME[ms]	20typ (ACIN 100V, Io=100%)			
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	4.99 - 6.00 (+V and -V are simultaneously adjusted)		9.60 - 13.2 (+V and -V are simultaneously adjusted)		
OUTPUT VOLTAGE SETTING[V]	4.99 - 5.30 (+V and -V CURRENT1)		11.5 - 12.5 (+V and -V CURRENT1)		
OVERCURRENT PROTECTION	Works over 105% of rated current and recovers automatically				
OVERVOLTAGE PROTECTION[V]	6.90 - 10.0		16.80 - 24.00		
OPERATING INDICATION	LED (Green)				
REMOTE ON/OFF	Optional (Required external power source)				
ISOLATION	INPUT-OUTPUT · RC	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	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)			
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +71°C (Required Derating), 20 - 90%RH (Non condensing) 3.000m (10,000feet) max			
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75°C, 20 - 90%RH (Non condensing) 3.000m (10,000feet) 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 (At only AC input)	UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN			
	CONDUCTED NOISE	Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B			
	CE MARKING	Low Voltage Directive, EMC Directive			
	HARMONIC ATTENUATOR	Complies with IEC61000-3-2			
OTHERS	CASE SIZE/WEIGHT	31 × 82 × 120mm (without terminal block) (W × H × D) / 280g max (without cover)			
	COOLING METHOD	Convection			

*1 Measured by 20MHz oscilloscope or Ripple-Noise meter (equivalent to KEISO-KU-GIKEN : RM101).
*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.
*3 Derating is required.
*4 Figures for 0 to rated current 1. The current not measured

side is fixed.
*5 Figures for 0 to rated current 2. The current not measured side is fixed.
*6 The sum of +power -power must be less than output power.
*7 RC is applied to remote ON/OFF option. RC is isolated with input/output and FG.

*8 ±5, ±12, ±15 can be used as +10, +24 and +30.
* Parallel operation with other model is not possible.
* Derating is required when operated with cover.
* A sound may occur from power supply at peak loading.