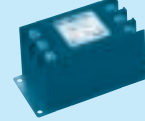


PBA1500T

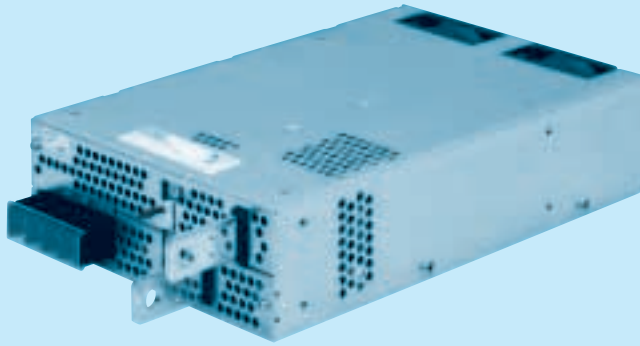
PB A 1500 T -5 -□

① ② ③ ④ ⑤ ⑥

Recommended EMI/EMC Filter
TAC-10-683



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Triple input phase
- ⑤ Output voltage
- ⑥ Optional *6
- C :with Coating
- G :Low leakage current
- U :Operation stop voltage is set at a lower value
- F1 :With Long-Life fan
- F3 :Reverse air exhaust type
- F4 :Low speed fan



Refer to instruction manual 7.1.

MODEL	PBA1500T-5	PBA1500T-12	PBA1500T-24	PBA1500T-48
MAX OUTPUT WATTAGE[W]	1500	1500	1680	1680
DC OUTPUT	ACIN 200V *3 5V 300A	12V 125A	24V 70(105)A	48V 35A

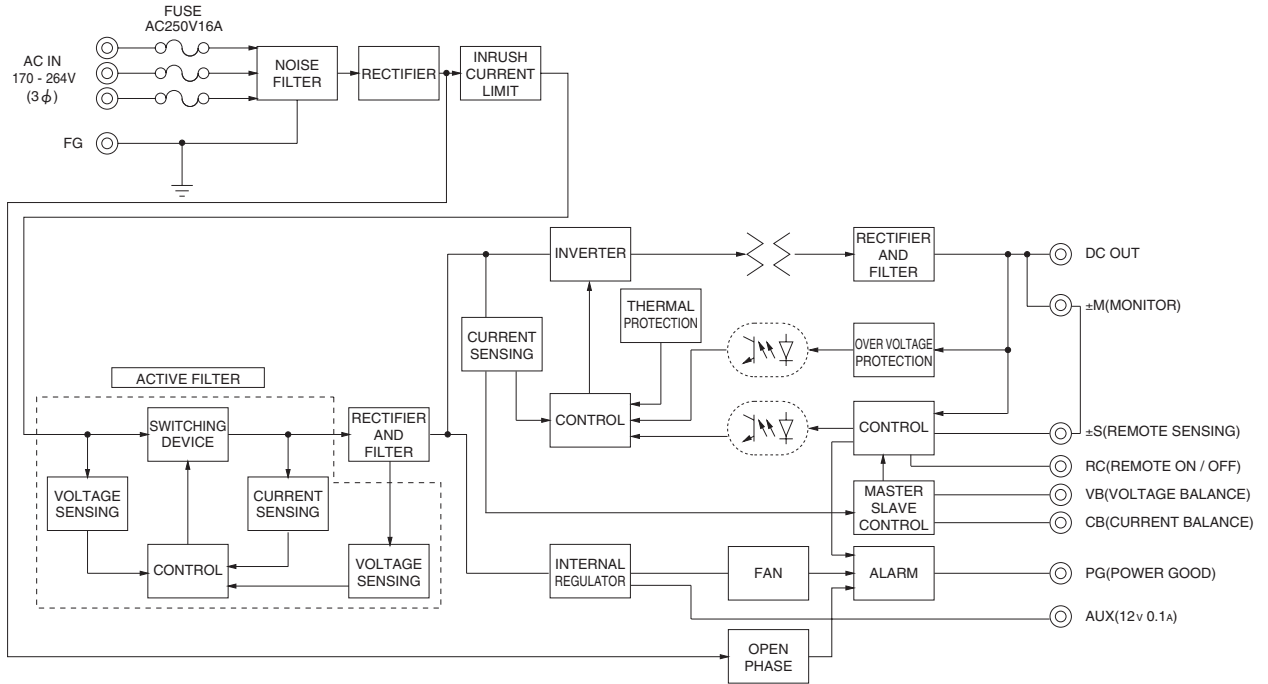
SPECIFICATIONS

MODEL	PBA1500T-5	PBA1500T-12	PBA1500T-24	PBA1500T-48								
INPUT	VOLTAGE[V]				AC170 - 264 3φ (AC100 Please refer to the instruction manual 7. option *5)							
	CURRENT[A]		ACIN 200V	6typ								
	FREQUENCY[Hz]		50/60 (47 - 63)									
	EFFICIENCY[%]		ACIN 200V	81typ	84typ	87typ	87typ					
	POWER FACTOR		ACIN 200V	0.95typ (lo=100%)								
	INRUSH CURRENT[A]		ACIN 200V	40/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More than 10 sec. to re-start)								
LEAKAGE CURRENT[mA]		1.5max (ACIN 240V 60Hz, lo=100%, According to IEC60950-1, DENAN)										
OUTPUT	VOLTAGE[V]		5	12	24	48						
	CURRENT[A]		ACIN 200V *3	300	125	70(105)	35					
	LINE REGULATION[mV]		20max									
	LOAD REGULATION[mV]		40max									
	RIPPLE[mVp-p]		0 to +50°C *1	80max	120max	120max	150max					
			-20 - 0°C *1	140max	160max	160max	400max					
	RIPPLE NOISE[mVp-p]		0 to +50°C *1	120max	150max	150max	200max					
			-20 - 0°C *1	160max	180max	180max	500max					
	TEMPERATURE REGULATION[mV]		0 to +50°C *1	50max	120max	240max	480max					
			-20 to +50°C *1	75max	180max	290max	600max					
DRIFT[mV]		*2	20max	48max	96max	192max						
START-UP TIME[ms]		300typ(ACIN 200V, lo=100%) * Start-up time is 500ms typ for less than 1 minute of applying input again from turning off the input voltage.										
HOLD-UP TIME[ms]		20typ (ACIN 200V, lo=100%)										
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		3.96 - 6.00	8.25 - 13.20	16.50 - 26.40	38.40 - 56.00							
OUTPUT VOLTAGE SETTING[V]		5.00 - 5.15	12.00 - 12.48	24.00 - 24.96	48.00 - 49.92							
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION						Works over 105% of rated current or 101% of peak current and recovers automatically					
	OVERVOLTAGE PROTECTION[V] *4		Vo+1.0 - 2.0	Vo+2.4 - 4.8	Vo+4.8 - 9.6	Vo+2.0 - 12.0						
	OPERATING INDICATION						LED (Green)					
	REMOTE SENSING						Provided					
REMOTE ON/OFF						Provided						
ISOLATION	INPUT-OUTPUT · RC		AC3,000V 1minute, Cutoff current = 25mA, DC500V 50MΩmin (At Room Temperature)									
	INPUT-FG		AC2,000V 1minute, Cutoff current = 25mA, DC500V 50MΩmin (At Room Temperature)									
	OUTPUT · RC · AUX-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)									
	OUTPUT-RC · AUX		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)									
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE						-20 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) 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 (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, additional EMI/EMC Filter required for meeting class B					
OTHERS	CASE SIZE/WEIGHT						178×61×268mm [7.01×2.4×10.55 inches] (without terminal block and screw) (W×H×D) /3.4kg max					
	COOLING METHOD						Forced cooling (internal fan)					

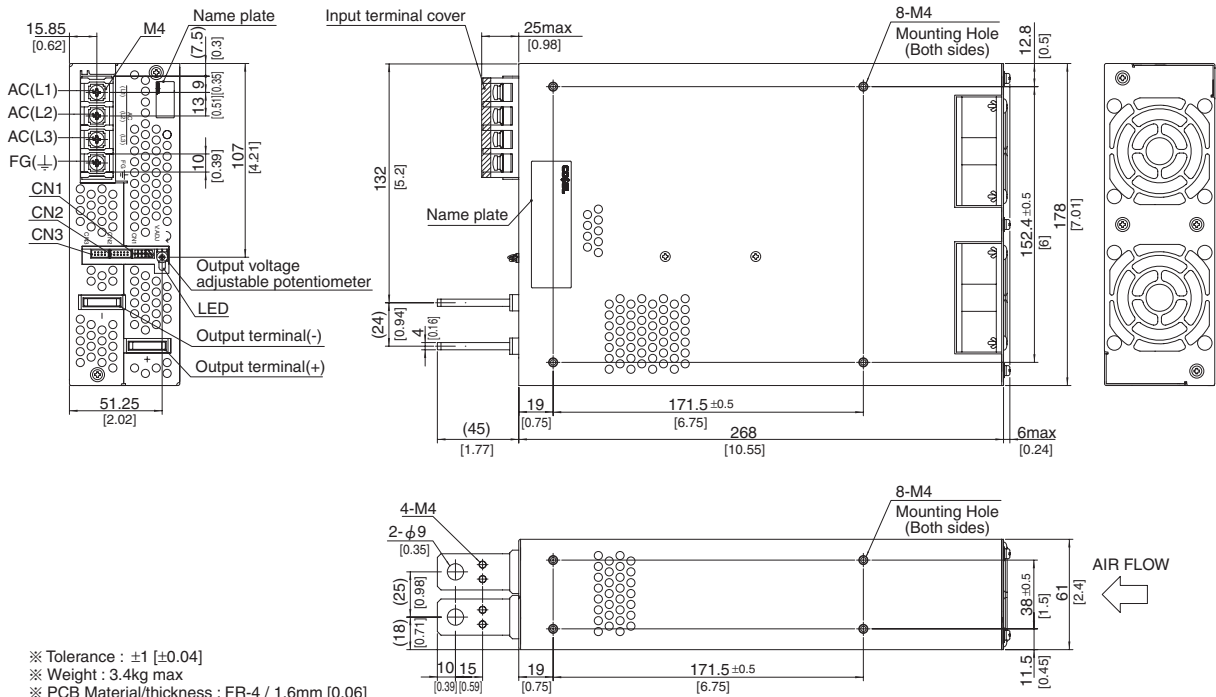
*1 Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN :RM101).
Ripple and ripple noise is measured on measuring board with capacitor of 22 μF within 150mm from the output terminal.
*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.
*3 () means peak current. Peak loading for 10s. And Duty 35% max, refer to instruction manual in detail.

*4 Overvoltage protection circuit to follow to output voltage setting. Standard overvoltage protection circuit is please contact us for details.
*5 Derating is required.Consult us for details.
*6 Please contact us about safety approvals for the model with option.
* A sound may occur from power supply at pulse loading.

Block diagram



External view



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 3.4kg max
- ※ PCB Material/thickness : FR-4 / 1.6mm [0.06]
- ※ Chassis material : Aluminum
- ※ Dimensions in mm, [] = inches
- ※ Mounting torque : 1.2N · m (12.8kgf · cm) max
- ※ Screw tightening torque : 1.6N · m (16.9kgf · cm) max
- ※ The housing for the remote sensing unused is mounted on CN1
- ※ Please connect safety ground to unit in M4 holes.