

PBA300F

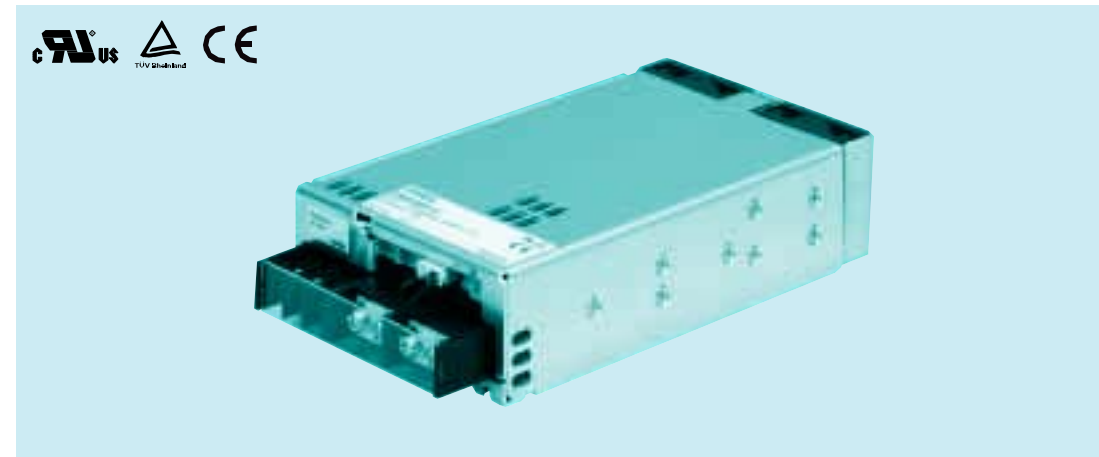
Ordering information

PBA 300 F -5 -O

1 2 3 4 5

- 1 Series name
- 2 Output wattage
- 3 Universal input
- 4 Output voltage
- 5 Optional
 - C:with Coating
 - G:Low leakage current
 - U:Operation stop voltage is set at a lower value
 - F3:Reverse air exhaust type
 - F4:Low speed fan

Refer to instruction manual 7.1



MODEL	PBA300F-3R3	PBA300F-5	PBA300F-7R5	PBA300F-12	PBA300F-15	PBA300F-24	PBA300F-36	PBA300F-48
MAX OUTPUT WATTAGE[W]	198	300	300	324	330	336	324	336
DC OUTPUT	ACIN 100V	3.3V 60A	5V 60A	7.5V 40A	12V 27A	15V 22A	24V 14A	36V 9A
	ACIN 200V ^{*3}	3.3V 60A	5V 60A	7.5V 40A	12V 27A	15V 22A	24V 14(16.5)A	36V 9A
								48V 7A

SPECIFICATIONS

MODEL	PBA300F-3R3	PBA300F-5	PBA300F-7R5	PBA300F-12	PBA300F-15	PBA300F-24	PBA300F-36	PBA300F-48		
INPUT	VOLTAGE[V]	AC85 - 264 1 [†] or DC120 - 350 (AC50 or DC70 optionally available ^{*4})								
	CURRENT[A]	ACIN 100V ACIN 200V	3typ 1.6typ	4.1typ 2typ						
	FREQUENCY[Hz]	50/60 (47 - 63)								
	EFFICIENCY[%]	ACIN 100V ACIN 200V	68typ 71typ	74typ 77typ	76typ 79typ	78typ 81typ	78typ 81typ	79typ 82typ	81typ 84typ	
	POWER FACTOR	ACIN 100V ACIN 200V	0.98typ (lo=100%) 0.95typ (lo=100%)							
	INRUSH CURRENT[A]	ACIN 100V ACIN 200V	20/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More then 3 sec. to re-start) 40/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More then 3 sec. to re-start)							
LEAKAGE CURRENT[mA]	0.45/0.75max (ACIN 100V/240V 60Hz, lo=100%, According to IEC60950-1)									
OUTPUT	VOLTAGE[V]	3.3	5	7.5	12	15	24	36	48	
	CURRENT[A]	ACIN 100V ACIN 200V ^{*3}	60 60	60 60	40 40	27 27	22 22	14 14(16.5)	9 9	7 7
	LINE REGULATION[mV]	20max								
	LOAD REGULATION[mV]	40max								
	RIPPLE[mVp-p]	0 to +50C ^{*1} -20 - 0C ^{*1}	80max 140max	80max 140max	120max 160max	120max 160max	120max 160max	120max 160max	150max 160max	300max 400max
	RIPPLE NOISE[mVp-p]	0 to +50C ^{*1} -20 - 0C ^{*1}	120max 160max	120max 160max	150max 180max	150max 180max	150max 180max	150max 180max	200max 240max	200max 500max
	TEMPERATURE REGULATION[mV]	0 to +50C ^{*1} -20 to +50C ^{*1}	40max 60max	50max 75max	75max 120max	120max 180max	150max 180max	240max 290max	360max 440max	480max 600max
	DRIFT[mV]	^{*2}	12max	20max	30max	48max	60max	96max	144max	192max
	START-UP TIME[ms]	300typ(ACIN 100/200V, lo=100%) Start-up time is 500ms typ for less than 1minute of applying input again from turning off the input voltage.								
	HOLD-UP TIME[ms]	20typ (ACIN 100/200V, lo=100%)								
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	2.64 - 3.96 3.96 - 6.00 5.25 - 8.25 8.25 - 13.20 10.50 - 16.50 16.50 - 26.40 25.20 - 39.60 38.40 - 56.00									
OUTPUT VOLTAGE SETTING[V]	3.30 - 3.40 5.00 - 5.15 7.50 - 7.80 12.00 - 12.48 15.00 - 15.60 24.00 - 24.96 36.00 - 37.44 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]	4.3 - 6.3	6.5 - 8.0	9.0 - 11.6	14.4 - 18.6	18.0 - 23.3	28.8 - 37.2	43.2 - 54.0	57.6 - 80.0	
	OPERATING INDICATION	LED (Green)								
	REMOTE SENSING REMOTE ON/OFF	Provided Provided								
ISOLATION	INPUT-OUTPUT-RC	AC3-000V 1minute. Cutoff current = 10mA. DC500V 50MWmin (At Room Temperature)								
	INPUT-FG	AC2-000V 1minute. Cutoff current = 10mA. DC500V 50MWmin (At Room Temperature)								
	OUTPUT-RC-AUX-FG	AC500V 1minute. Cutoff current = 100mA. DC500V 50MWmin (At Room Temperature)								
	OUTPUT-RC-AUX	AC100V 1minute. Cutoff current = 100mA. DC100V 50MWmin (At Room Temperature)								
ENVIRONMENT	OPERATING TEMP.HUMID.AND ALTITUDE	-20 to +71C, 20 - 90%RH (Non condensing) 3.000m (10.000feet) max								
	STORAGE TEMP.HUMID.AND ALTITUDE	-20 to +75C, 20 - 90%RH (Non condensing) 3.000m (10.000feet) max								
	VIBRATION	19.6m/s ² (2G), 10 - 55Hz, 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, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN (At only AC input)								
	CONDUCTED NOISE	Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B								
	CE MARKING HARMONIC ATTENUATOR	Low Voltage Directive, EMC Directive Complies with IEC61000-3-2								
OTHERS	CASE SIZE/WEIGHT	102X42X170mm (without terminal block and screw) (WXHXD) /1.0kg max								
	COOLING METHOD	Forced cooling (internal fan)								

^{*1} Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN : RM101).
^{*2} Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25C.
^{*3} () means peak current. Peak loading for 10s. And Duty 35% max, refer to Instruction manual in detail.
^{*4} Derating is required.Consult us for details.
^{*} A sound may occur from power supply at pulse loading.