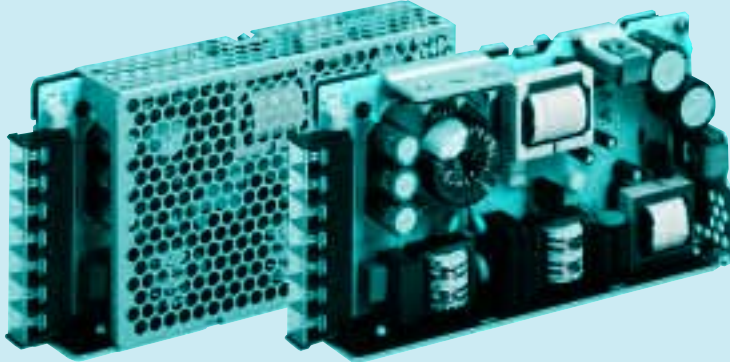


PBA150F

Ordering information

PBA 150 **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 (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 (Only -12,-15,-24,-36,-48)
 - R :with Remote ON/OFF
 - N :with Cover (Only 24V UL508 is acquired)
 - N1 :with DIN rail
 - V :Output voltage setting potentiometer externaly

Specification is changed at option. Please consult us details.

MODEL	PBA150F-3R3	PBA150F-5	PBA150F-9	PBA150F-12	PBA150F-15	PBA150F-24	PBA150F-36	PBA150F-48
MAX OUTPUT WATTAGE[W]	99	150	150.3	156	150	156	154.8	158.4
DC OUTPUT	3.3V 30A	5V 30A	9V 16.7A	12V 13A	15V 10A	24V 6.5A	36V 4.3A	48V 3.3A

SPECIFICATIONS

	MODEL	PBA150F-3R3	PBA150F-5	PBA150F-9	PBA150F-12	PBA150F-15	PBA150F-24	PBA150F-36	PBA150F-48							
INPUT	VOLTAGE[V]	AC85 - 264 1 ^{*)} or DC120 - 370 (AC50 or DC70 optionally available ^{**4)})														
	CURRENT[A]	ACIN 100V	1.3typ	2.0typ												
		ACIN 200V	0.7typ	1.0typ												
	FREQUENCY[Hz]	50/60 (47 - 63)														
	EFFICIENCY[%]	ACIN 100V	80typ	83typ	82typ	83typ	84typ	85typ	85typ	85typ						
		ACIN 200V	82typ	86typ	85typ	86typ	87typ	88typ	88typ	88typ						
	POWER FACTOR(10=100%)	ACIN 100V	0.98typ	0.99typ												
ACIN 200V	0.87typ	0.93typ														
INRUSH CURRENT[A]	ACIN 100V	20typ (10=100%) (At cold start)														
	ACIN 200V	40typ (10=100%) (At cold start)														
LEAKAGE CURRENT[mA]	0.4/0.75max (ACIN 100V/240V 60Hz, 10=100%, According to IEC60950-1)															
OUTPUT	VOLTAGE[V]	3.3	5	9	12	15	24	36	48							
	CURRENT[A]	30	30	16.7	13	10	6.5	4.3	3.3							
	LINE REGULATION[mV]	20max	20max	36max	48max	60max	96max	144max	192max							
	LOAD REGULATION[mV]	40max	40max	100max	100max	120max	150max	240max	240max							
	RIPPLE[mVp-p]	0 to +50C ^{**1)}	80max	80max	120max	120max	120max	150max	150max	150max						
		-10 - 0C ^{**1)}	140max	140max	160max	160max	160max	160max	200max	200max						
	RIPPLE NOISE[mVp-p]	0 to +50C ^{**1)}	120max	120max	150max	150max	150max	150max	250max	250max						
		-10 - 0C ^{**1)}	160max	160max	180max	180max	180max	180max	300max	300max						
	TEMPERATURE REGULATION[mV]	0 to +50C	50max	50max	90max	120max	150max	240max	360max	480max						
		-10 to +50C	60max	60max	120max	150max	180max	290max	450max	600max						
	DRIFT[mV]	20max ^{**2)}														
	START-UP TIME[ms]	350typ(ACIN 100V, 10=100%)														
	HOLD-UP TIME[ms]	20typ (ACIN 100V, 10=100%)														
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	2.85 - 3.63		4.00 - 5.50		7.50 - 10.0		10.0 - 13.2		13.2 - 18.0		19.2 - 27.0		28.8 - 39.6		39.0 - 53.0	
OUTPUT VOLTAGE SETTING[V]	3.20 - 3.40		4.90 - 5.20		8.70 - 9.30		11.5 - 12.5		14.5 - 15.5		23.5 - 24.5		35.5 - 36.5		47.0 - 49.0	
OVERCURRENT PROTECTION	Works over 105% of rated current and recovers automatically															
PROTECTION CIRCUIT AND OTHERS	OVERVOLTAGE PROTECTION[V]	4.00 - 5.25	5.75 - 7.00	11.5 - 14.0	15.0 - 18.0	20.0 - 25.0	30.0 - 37.0	43.0 - 50.0	58.0 - 65.0							
	OPERATING INDICATION	LED (Green)														
	REMOTE SENSING	Optional (Only -3R3, -5 Option -K)														
	REMOTE ON/OFF	Optional (Required external power source)														
ISOLATION	INPUT-OUTPUT—RC	^{**3)} 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-FG	^{**3)} AC500V 1minute. Cutoff current = 100mA. DC500V 50MWmin (At Room Temperature)														
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE	-10 to +71C (Required Derating), 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	Low Voltage Directive, EMC Directive														
	HARMONIC ATTENUATOR	Complies with IEC61000-3-2														
OTHERS	CASE SIZE/WEIGHT	34×93×168mm (without terminal block) (W×H×D) / 560g max (without cover)														
	COOLING METHOD	Convection														

^{**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)} Applicable when Remote ON/OFF(optional) is added. RC is insulated with input, output and FG.

^{**4)} Derating is required.Consult us for details.

^{**1)} Parallel operation with other model is not possible.

^{**2)} Derating is required when operated with cover.

^{**3)} A sound may occur from power supply at peak loading.