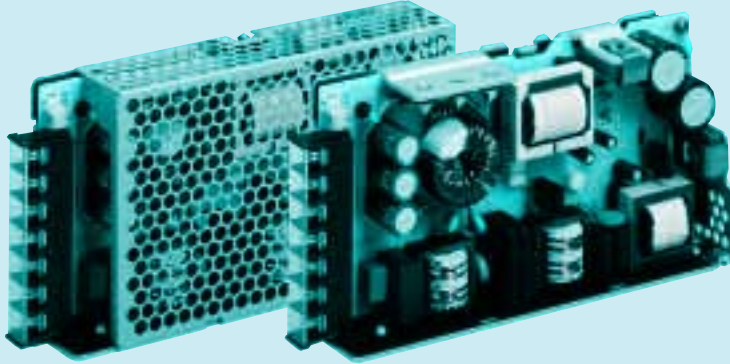


PBA150F

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 external-
 ly

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 ACIN 200V	1.3typ 0.7typ	2.0typ 1.0typ					
	FREQUENCY[Hz]		50/60 (47 - 63)						
	EFFICIENCY[%]	ACIN 100V ACIN 200V	80typ 82typ	83typ 86typ	82typ 85typ	83typ 86typ	84typ 87typ	85typ 88typ	85typ 88typ
	POWER FACTOR(lo=100%)	ACIN 100V ACIN 200V	0.98typ 0.87typ	0.99typ 0.93typ					
	INRUSH CURRENT[A]	ACIN 100V ACIN 200V	20typ (lo=100%) (At cold start) 40typ (lo=100%) (At cold start)						
	LEAKAGE CURRENT[mA]	0.4/0.75max (ACIN 100V/240V 60Hz, lo=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 -10 - 0C [★] 1	80max 140max	80max 140max	120max 160max	120max 160max	120max 160max	150max 200max	150max 200max
	RIPPLE NOISE[mVp-p]	0 to +50C [★] 1 -10 - 0C [★] 1	120max 160max	120max 160max	150max 180max	150max 180max	150max 180max	250max 300max	250max 300max
	TEMPERATURE REGULATION[mV]	0 to +50C -10 to +50C	50max 60max	50max 60max	90max 120max	120max 150max	150max 180max	240max 290max	360max 450max
	DRIFT[mV]	[★] 2	20max	20max	36max	48max	60max	96max	144max
	START-UP TIME[ms]	350typ(ACIN 100V, lo=100%)							
	HOLD-UP TIME[ms]	20typ (ACIN 100V, lo=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
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rated current and recovers automatically							
	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)							
ISOLATION	REMOTE ON/OFF	Optional (Required external power source)							
	INPUT-OUTPUT —RC	[★] 3	AC3.000V 1minute, Cutoff current = 10mA, DC500V 50MW/min (At Room Temperature)						
	INPUT-FG		AC2.000V 1minute, Cutoff current = 10mA, DC500V 50MW/min (At Room Temperature)						
ENVIRONMENT	OUTPUT —RC-FG	[★] 3	AC500V 1minute, Cutoff current = 100mA, DC500V 50MW/min (At Room Temperature)						
	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							
SAFETY AND NOISE REGULATIONS	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis							
	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 COOLING METHOD	34×93×168mm (without terminal block) (W×H×D) / 560g max (without cover) 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.

[★] 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.