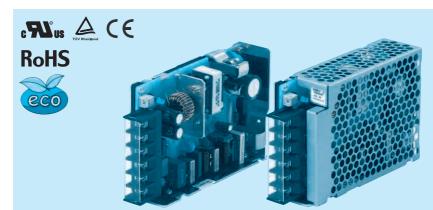
AC-DC Power Supplies Enclosed Type COSEL

Ordering information

PB W **50**





Recommended EMI/EMC Filter NAC-06-472

High voltage pulse noise type : NAP series Low leakage current type : NAM series *The EMI/EMC Filter is recommended to connect with several devices.

①Series name ②Dual output

3 Output wattage 4 Universal input

 Output voltage Optional *9

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 external-

er is	

MODEL		PBW50F-5	PBW50F-12	PBW50F-15
MAX OUTPUT WATTAGE[W] *6		30	50.4	51
DC OUTPUT	VOLTAGE[V] *8	±5 (+10)	±12 (+24)	±15 (+30)
	CURRENT1[A]	3.0	2.1	1.7
	CURRENT2[A] *6	4.0	2.7	2.4

SPECIFICATIONS

	MODEL		PBW50F-5		PBW50F-12		PBW50F-15		
	VOLTAGE[V]		AC85 - 264 1 ϕ or DC120 - 370 (AC50 or DC70 Please refer to the instruction manual 2.1 Input voltage $*3$))	
C F INPUT P		ACIN 100V	0.45typ (CURRENT1) 0.70typ (CURRENT1)						
	CURRENT[A]	ACIN 200V	0.30typ (CURRENT1)		0.40typ (CURRENT1)				
	FREQUENCY[Hz]		50/60 (47 - 63)						
	ACIN		76typ (CURRENT1)		81typ (CURRENT1)		81typ (CURRENT1)		
	EFFICIENCY[%]	ACIN 200V	77typ (CURRENT1)		83typ (CURRENT1)		83typ (CURRENT1)		
	POWER FACTOR(Io=100%)	ACIN 100V	0.98typ		0.99typ				
	, ,	ACIN 200V			0.93typ				
	INRUSH CURRENT[A]	ACIN 100V	15typ (CURRENT1) (At cold start)						
	INKUSH CUKKENI[A]	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)						
	VOLTAGE[V]		±5	/ (+10V reference number)	±12	/ (+24V reference number)	±15	/ (+30V reference number	
	CURRENT1[A] CURRENT2[A] *6		3.0	/ 3.0	2.1	/ 2.1	1.7	/ 1.7	
			4.0	/ -	2.7	/ -	2.4	/ -	
LINE REGULATION[mV		/]	20max	/ 36max	48max	/ 96max	60max	/ 96max	
			250max	/ 100max	600max	/ 150max	600max	/ 150max	
LOAD REGULAT	LOAD REGULATION 2[500max	/ -	750max	/ -	roomax	/ -	
		0 to +50°C *1	80max	/ 240max	120max	/ 240max		/ 240max	
	KIFFEE[IIIVP-P]	-10 - 0℃ *1	140max	/ 320max	160max	/ 320max	160max	/ 320max	
OUTPUT	RIPPLE NOISE[mVp-p]	0 to +50°C * 1	120max	/ 300max	150max	/ 300max	150max	/ 300max	
		-10 - 0°C *1	160max	/ 360max	180max	/ 360max	180max	/ 360max	
	TEMPERATURE REGULATION(mV)	0 to +50°C	50max		120max		150max		
	TEMPERATURE REGULATION[IIV]	-10 to +50°C	60max		150max		180max		
	DRIFT[mV] *2				48max		60max		
	START-UP TIME[ms]		350typ(ACIN 100V, Io=100%)						
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)						
-	OUTPUT VOLTAGE ADJUSTMENT		4.99 - 6.00 (+V and -V are simultaneously adjusted)				13.2 - 16.5 (+V and -V are simultaneously adjusted)		
	OUTPUT VOLTAGE SETTING[V]			9 - 5.30 (+V and -V CURRENT1) 11.5 - 12.5 (+V and -V CURRENT1)			14.4 - 15.6 (+V and -V CURRENT1)		
	OVERCURRENT PROTECTION		, ,						
	OVERVOLTAGE PROTEC		6.90 - 10.0 16.8 - 24.0 20.0 - 29.0						
OTHERS	OPERATING INDICATION		LED (Green)						
	REMOTE ON/OFF		Optional (Required external power source)						
	NPUT-OUTPUT · RC *7		The state of the s						
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)						
			The state of the s						
ENVIRONMENT ST VI	OPERATING TEMP.,HUMID.AND ALTITUDE								
	STORAGE TEMP.,HUMID.AND ALTITUDE								
	VIBRATION		10 - 55Hz, 19.6m/s² (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						
JAILII AND L									
	CONDUCTED NOISE		Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B						
	HARIMONIC ATTENUATOR		Complies with IEC61000-3-2 *10						
OTHERS -	CASE SIZE/WEIGHT			22 × 3.23 × 4.72 inches	hes] (without terminal block) (W x H x D) / 280g max (with cover : 325g max)				
	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
- *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 $\pm 5, \pm 12, \pm 15$ can be used as +10,+24 and +30.
- *9 Please contact us about safety approvals for the model with option.
- *10 Please contact us about class C.
- 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.

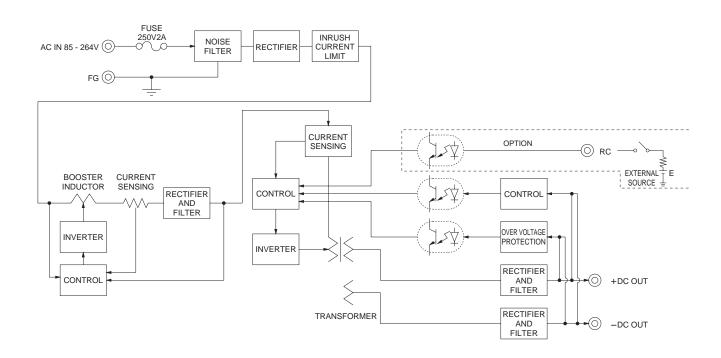
PBA/PBW-30

PB_E.indd 30 15.6.18

PBW50F | COSEL PRAPER

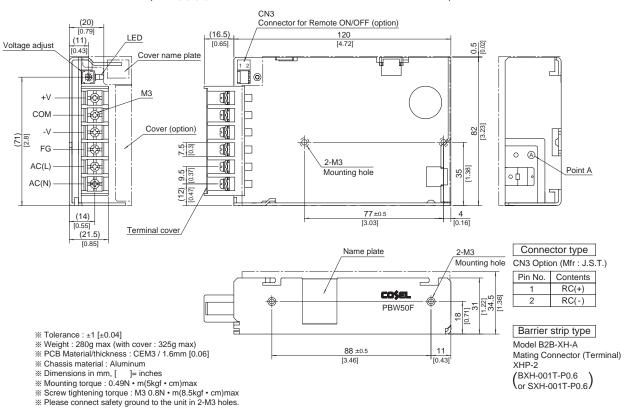


Block diagram



External view

** External size of option T,J,R,N,N1 and V is different from standard model and refer to 7 Option of instruction manual for details.



PBA/PBW-31

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cosel:

PBW50F-12-CN PBW50F-12-EJ PBW50F-12-EN PBW50F-12-GN PBW50F-12-GN1 PBW50F-12-JN PBW50F-12-JN PBW50F-12-JN PBW50F-12-VN PBW50F-15-CN PBW50F-15-CN1 PBW50F-15-EN PBW50F-15-GN PBW50F-15-JN PBW50F-15-JV PBW50F-15-RN PBW50F-15-TN PBW50F-15-VN PBW50F-5-CN PBW50F-5-EJ PBW50F-5-GN PBW50F-5-JN PBW50F-5-RN PBW50F-5-TN PBW50F-5-VN