AC-DC Power Supplies Enclosed Type COSEL

PBW30F

Ordering information

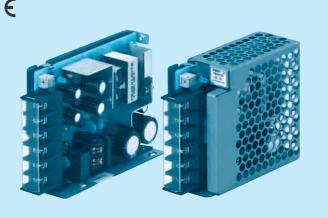
PB W 30







eco





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
- ⑥Optional *10 C:with Coating
 - G:Low leakage current
 - E :Low leakage current and EMI class A
 - T: Vertical terminal block
 - J :Connector type

- N :with Cover N1 :with DIN rail
- V:Output voltage setting potentiometer external-

Cover is optional	Cover	is	optional
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MODEL		PBW30F-5	PBW30F-12	PBW30F-15	
MAX OUTPUT WATTAGE[W] *5		15	31.2	30.0	
DC OUTPUT	VOLTAGE[V] *6	±5 (+10)	±12 (+24)	±15 (+30)	
	CURRENT1[A]	1.5	1.3	1.0	
	CURRENT2[A] *5	2.0	1.7	1.4	

SPECIFICATIONS

	MODEL		PBW30F-5		PBW30F-12		PBW30F-15				
	VOLTAGE[V]		AC85 - 264 1 ϕ or DC110 - 370 (AC50 or DC70 Please refer to the instruction manual 2.1 Input voltage $*8$)								
Ī	OUDDENTIAL	ACIN 100V	0.4typ (CURRENT1)								
INPUT	CURRENT[A]	ACIN 200V	0.25typ (CURRENT1) 0.4typ (CURRENT1)								
	FREQUENCY[Hz]		50/60 (47 - 440) or DC								
	EEEIGIENGVIIV.	ACIN 100V	75typ (CURRENT1)		77typ (CURRE	77typ (CURRENT1)		78typ (CURRENT1)			
	EFFICIENCY[%] ACIN 100V		75typ (CURRENT1)		81typ (CURRENT1)		79typ (CURREN	IT1)			
		ACIN 100V	15typ (CURRENT1) (At cold start)								
	INRUSH CURRENT[A] ACIN 200V										
	LEAKAGE CURRENT[mA]		0.30/0.65max (ACIN 100V/240V 60Hz, lo=100%, According to IEC60950-1,DENAN)								
	VOLTAGE[V]		±5	/ (+10V reference number)	±12	/ (+24V reference number)	±15	/ (+30V reference number)			
	CURRENT1[A]		1.5	/ 1.5	1.3	/ 1.3	1.0	/ 1.0			
	CURRENT2[A] *5		2.0	/ -	1.7	/ -	1.4	/ -			
	LINE REGULATION[m\	/] *11	20max	/ 36max	60max	/ 96max	60max	/ 96max			
Ī	LOAD REGULATION 1	[mV] *11	250max	/ 100max	600max	/ 150max	600max	/ 150max			
	LOAD REGULATION 2	[mV] *11	500max	/ -	750max	/ -	750max	/ -			
	DIDDI Elmilia al	0 to +50°C *1	80max	/ 240max	120max	/ 240max	120max	/ 240max			
	RIPPLE[mVp-p]	-10 - 0°C *1	140max	/ 320max	160max	/ 320max	160max	/ 320max			
OUTPUT	DIDDLE MOIOEL-V1	0 to +50°C *1	120max	/ 300max	150max	/ 300max	150max	/ 300max			
	RIPPLE NOISE[mVp-p]	-10 - 0℃ *1	160max	/ 360max	180max	/ 360max	180max	/ 360max			
	TEMPERATURE REGULATION(mV) -	0 to +50℃	1		120max		150max				
		-10 to +50℃	60max		150max		180max				
STA	DRIFT[mV] *2		20max		48max		60max				
	START-UP TIME[ms]		200typ(ACIN 100V, lo=100%) *Start-up time is 700ms typ for less than 1minute of applying input again from turning off the input voltage.								
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)								
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]				9.60 - 13.2 (+V and -V are simultaneously adjusted)		13.2 - 16.5 (+V and -V are simultaneously adjusted)				
	OUTPUT VOLTAGE SET	TING[V]	4.99 - 5.30 (+V and -V CURRENT1)		11.5 - 12.5 (+V and -V CURRENT1)		14.4 - 15.6 (+V and -V CURRENT1)				
	OVERCURRENT PROT	ECTION	Works over 105% of rated current and recovers automatically								
PROTECTION	OVERVOLINGE PROTECTION[V]		6.90 - 10.0 16.8 - 24.0			20.0 - 29.0					
CIRCUIT AND OTHERS	OPERATING INDICATION		LED (Green)								
	REMOTE ON/OFF		None								
	INPUT-OUTPUT AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)										
ISOLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)								
	OUTPUT-FG		AC500V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)								
	OPERATING TEMP., HUMID. AND	ALTITUDE									
ENN//DON//EN	STORAGE TEMP.,HUMID.AND	ALTITUDE	-20 to +75°C, 20 - 90%RH (Non condensing) 9,000m (30,000feet) max								
ENVIRONMENT	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								
SAFETY AND	AGENCY APPROVALS (At only	/ AC input)									
NOISE	CONDUCTED NOISE		Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B								
	HARMONIC ATTENUAT	TOR .	Complies with IEC61000-3-2 (Not built-in to active filter *7) *12								
REGULATIONS	TIME THE PARTY OF					31 x 78 x 103mm [1.22 x 3.07 x 4.06 inches] (without terminal block) (W x H x D) / 270g max (with cover : 310g max)					
	CASE SIZE/WEIGHT		31×78×103mm	[1.22 × 3.07 × 4.06 inches	s] (without termin	al block) (W x H x D) / 270	g max (with cove	r : 310g max)			

- *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 25°C.

 *3 Figures for 0 to rated current 1.The current not measured
- *4 Figures for 0 to rated current 2.The current not measured
- side is fixed.
- 5 The sum of +power -power must be less than output power. *6 ±5,±12,±15 can be used as +10,+24 and +30. *7 When two or more units are used,they may not comply with
- the harmonic attenuator. Please contact us for details.

 *8 Derating is required.
- *9 Figures to rated current 1.

- *10 Please contact us about safety approvals for the model with option.
- *11 Please contact us about dynamic load and input response. *12 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-28

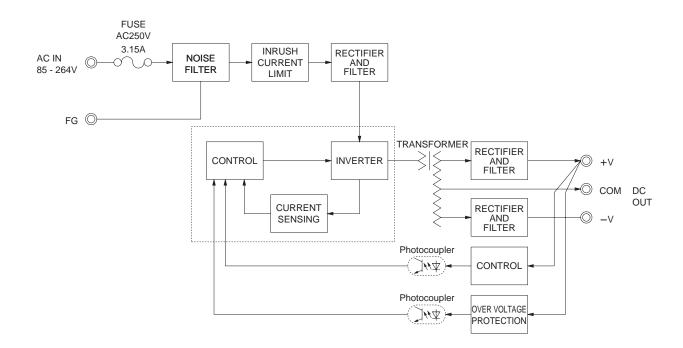
side is fixed.

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PBW30F | COSEL PRAPER

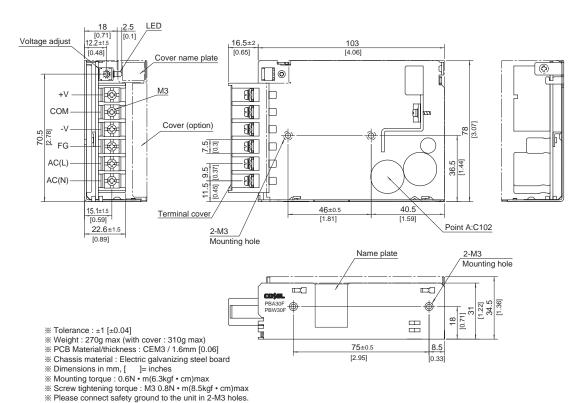


Block diagram



External view

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



PBA/PBW-29

Mouser Electronics

Authorized Distributor

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Cosel:

PBW30F-12 PBW30F-12-CN PBW30F-12-CN1 PBW30F-12-EJ PBW30F-12-EJN PBW30F-12-EN PBW30F