## PBA10F

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

- (1)Series name
- 2)Single output
- 3 Output wattage
  4 Universal input
- ⑤Output voltage ⑥Optional C:with Coating

  - G:Low leakage current
- G:Low leakage current and EMI class A T:Vertical terminal block J:Connector type

- N :with Cover
- (Only 24V UL508 is acquired)
- N1:with DIN rail
- V :Output voltage setting potentiometer externally

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MODEL	PBA10F-5	PBA10F-12	PBA10F-24
MAX OUTPUT WATTAGE[W]	10	10.8	12
DC OUTPUT	5V 2A	12V 0.9A	24V 0.5A

## **SPECIFICATIONS**

	MODEL		PBA10F-5	PBA10F-12	PBA10F-24		
	VOLTAGE[V]		AC85 - 264 1 φ or DC120 - 370 (AC5	0 or DC70 Please refer to the instructi	on manual 2.1 Input voltage *3)		
	ACIN 100V		0.30typ (lo=100%)				
	CURRENT[A]	ACIN 200V	V 0.20typ (lo=100%)				
INPUT	FREQUENCY[Hz]		50/60 (47 - 440) or DC				
	EFFICIENCY[%]	ACIN 100V	74typ	76typ	77typ		
		ACIN 200V	74typ	76typ	77typ		
		ACIN 100V	15typ (Io=100%)				
	INRUSH CURRENT[A] ACIN 200V		30typ (lo=100%)				
	LEAKAGE CURRENT[mA]		0.15/0.30max (ACIN 100V/240V 60Hz, Io=100%, According to IEC60950-1,DENAN)				
	VOLTAGE[V]		5	12	24		
	CURRENT[A]		2	0.9	0.5		
	LINE REGULATION[	mV]	20max	48max	96max		
	LOAD REGULATION	[mV]	40max	100max	150max		
		0 to +50℃ *1	80max	120max	120max		
	RIPPLE[mVp-p]	-10 - 0℃ *1	140max	160max	160max		
	DIDDLE MOIOEC	0 to +50℃ *1	120max	150max	150max		
OUTPUT	RIPPLE NOISE[mVp-p]	-10 - 0℃ *1	160max	180max	180max		
		0 to +50℃	50max	120max	240max		
	TEMPERATURE REGULATION[mV]	-10 to +50℃	60max	150max	290max		
	DRIFT[mV]	*2	20max	48max	96max		
	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 volta				
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)				
	OUTPUT VOLTAGE ADJUSTMENT	T RANGE[V]	4.50 - 5.50	10.0 - 13.2	19.2 - 27.0		
	OUTPUT VOLTAGE SET	TING[V]	5.00 - 5.15	12.00 - 12.48	24.00 - 24.96		
	OVERCURRENT PROT	ECTION	Works over 105% of rated current and recovers automatically				
ROTECTION RCUIT AND		TION[V]	5.75 - 7.00	15.0 - 18.0	30.0 - 37.0		
THERS	OPERATING INDICA	TION	LED (Green)				
	REMOTE ON/OFF		None				
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)				
OLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)				
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)				
ENVIRONMENT	OPERATING TEMP.,HUMID.AND	ALTITUDE	DE -10 to +71°C (Required Derating), 20 - 90%RH (Non condensing) 3,000m (10,000feet) max				
	STORAGE TEMP., HUMID. AND	ALTITUDE	-20 to +75°C, 20 - 90%RH (Non condensing) 3,000m (10,000feet) max				
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis				
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis				
SAFETY AND	AGENCY APPROVALS (At only	y AC input)	UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN				
	COMPOCIED MOISE	•	Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B				
OICE			Low Voltage Directive, EMC Directive				
OISE EGULATIONS	CE MARKING			Complies with IEC61000-3-2 (Not built-in to active filter *4)			
OISE EGULATIONS	CE MARKING HARMONIC ATTENU	JATOR	ŭ	t-in to active filter *4)			
OISE EGULATIONS THERS	CE MARKING HARMONIC ATTENU CASE SIZE/WEIGHT		ŭ		ver)		

- $\textcolor{red}{*1} \hspace{0.2cm} \textbf{Measured by 20MHz oscilloscope or Ripple-Noise meter} (equivalent to KEISOKU-GIKEN$ :RM101).
- Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.
- \*3 Derating is required.

  \*4 When two or more units are used, they may not comply with the harmonic attenuator. Please contact 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.