



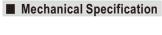
■ Features :

- *2:1 wide input range
- *Protections: Short circuit / Overload / Over voltage/Reverse polarity
- *1500VAC I/O isolation
- *Cooling by free air convection
- *Built-in EMI filter, low ripple noise
- '100% full load burn-in test
- ·Low cost
- *High reliability
- ² year warranty

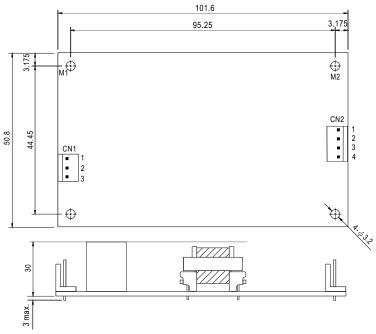
EM CB C€ EK

MODEL		PSD-30A-5	PSD-30B-5	PSD-30C-5	PSD-30A-12	PSD-30B-12	PSD-30C-12	PSD-30A-24	PSD-30B-24	PSD-30C-24
MODEL	DC VOLTAGE	5V			12V			24V		
ОИТРИТ	RATED CURRENT	5A			2.5A		1.25A			
	CURRENT RANGE	0 ~ 5A		0 ~ 2.5A		0 ~ 1.25A				
	RATED POWER	25W			30W		30W			
	RIPPLE & NOISE (max.) Note.2				120mVp-p		150mVp-p			
	VOLTAGE ADJ. RANGE	4.5 ~ 5.5VDC			11 ~ 13.5VDC		22 ~ 26VDC			
	VOLTAGE TOLERANCE Note.3				±1.0%		±1.0%			
	LINE REGULATION	±1.0%			±1.0%		±1.0%			
	LOAD REGULATION	±1.0%			±1.0%		±1.0%			
	SETUP, RISE, HOLD UP TIME				±1.0 /0			11.076		
	VOLTAGE RANGE	A:9 ~ 18VDC B:18 ~ 36VDC C:36 ~ 72VDC								
INPUT	EFFICIENCY (Typ.)	77%	79%	80%	77%	80%	82%	78%	83%	83%
INFUI	DC CURRENT	4.5A/12V	1070	0070	2.5A/24V	0070	0270	1.1A/48V	0070	0070
	DO CONNENT	4.5A/12V 2.5A/24V 1.1A/46V 1.1A/46V								
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION					14 ~ 16.5V		27 ~ 32.5V			
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
	REVERSE POLARITY	By internal fuse open								
	WORKING TEMP.	-20 ~ +60°C (Refer to output load derating curve)								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes								
	SAFETY STANDARDS	EAC TP TC 004 approved, IEC 62368-1 CB approved by Dekra								
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:2.0KVAC O/P-FG:0.5KVAC								
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC								
(Note 4)	EMI CONDUCTION & RADIATION	Compliance to BS EN/EN55032 (CISPR32) Class B, EAC TP TC 020								
	EMS IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,6,8; BS EN/ENV50204, BS EN/EN 55024, light industry level, criteria A, EAC TP TC 020								
OTHERS	MTBF	902.4K hrs min. MIL-HDBK-217F(25°C)								
	DIMENSION	101.6*50.8*30mm (L*W*H)								
	PACKING	0.15kg; 72pcs/10.8kg/0.82CUFT								
NOTE	1. All parameters NOT specially mentioned are measured at 12,24,48VDC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 5. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft (As available on http://www.meanwell.com) ※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx									





Unit:mm



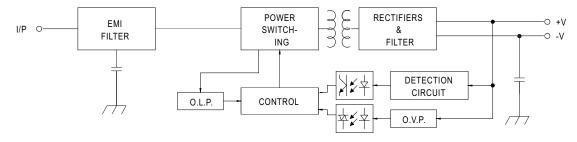
DC Input Connector (CN1): JST B3P-VH-B or equivalent

Pin No.	Assignment	Mating Housing	Terminal		
1	DC-	JST VHR	JST SVH-21T-P1.1		
3	DC+	or equivalent	or equivalent		
2	NC	,			

DC Output Connector (CN2): JST B4P-VH-B or equivalent

Pin I	No.	Assignment	Mating Housing	Terminal	
1,2	2	+V	JST VHR	JST SVH-21T-P1.1	
3,4	4	-V	or equivalent	or equivalent	

■ Block Diagram



■ Derating Curve

