ETA-USA

Single

100W

High Quality Switching Power Supplies

AC85~264V

Power - Facter Improved type

AC200V フルレンジ AC100V

INPUT AC100V/AC200V

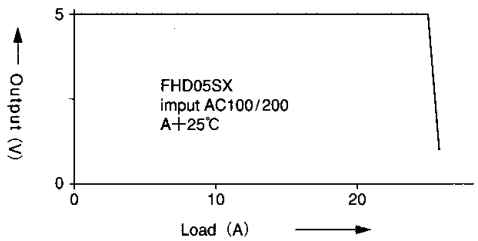
FHD-SX SERIES

Model	Output		Efficiency
	Voltage	Current	
FHD05SX	5V	20	80
FHD12SX	12V	9	81
FHD15SX	15V	7	83
FHD24SX	24V	4.5	84
FHD48SX	48V	2.2	85

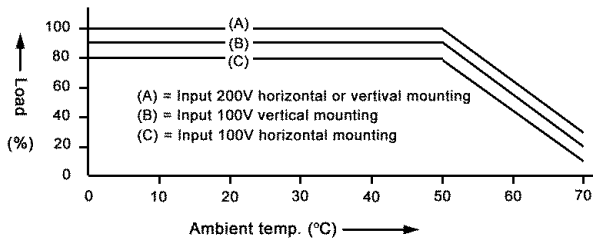
(Input AC230V)

This series consists of power supplies of new age,which meet the regulation controlling the harmonic current distortion. At meets the international safty standards and increases the power utilizing efficiency while extensively suppressing the noise terminal voltage. This series and WRD-SX series are in the same form,their main switching circuit and the power-factor improving circuit are synchronously operated and the power supply can independently meet the harmonic wave regulation without worrying about the problems such as the annoying beat interference and narrow installing space whichcan not be solvved a saparate type unit.

Load & Output V.



Output Derating



[Note] Call for futher information before purchase.

Special Features

1. Power factor inproved 0.09 (AC 115V) - 0.96 (AC 230V)
2. Harmonics Current controlled
3. Noise EMI:Based on FCCclassB,VDEclassB,VCCI 2(Japan)
4. Safety:Based on IEC950, VDE, CSA (have a plan these std)

Applications

Communicators., Office Equip., Intelligence Equip., Industrial Machines., Household Equip.

FHD-SX SPECIFICATION

General Specification

Power factor correction	:Active filter circuit with booster
Over-current protection	:Constant current limiting
Over-voltage protection	:Output shutdown
Parallel/Series connection	:O.K.
Remote Sensing/Control	:NO
Power fail Monitor	:O.K.
Switching period (FREQ.)	:130KHz Typ.
Withstand voltage	:(Input-Output) :AC3000V(1Minute) :(Input-Chassis) :AC2500V (1Minute) :(Output-Chassis) :AC 500V (1Minute)
Insulation resistance	:(Input-Output-Chassis):50M MIN.
Leakage current	:0.8mA Typ. (25°C, Input 230Vac) :0.35mA Typ. (25°C, Input 100Vac)
Weight	:about 630g

Environment

Operating temperature *	:0~+50℃ (operation on and over 70℃ unavailable Need to derate 3.5% /℃ between+0℃ to 70℃
Storage temperature	:-40~+50℃
Humidity	:85%
Vibration	:(5~ MHz) Amplitude (peak to peak) 10mm(constant) (10- 55Hz) Acceleraton 2G (constant)
Shock	:30G

***See output derating curve**

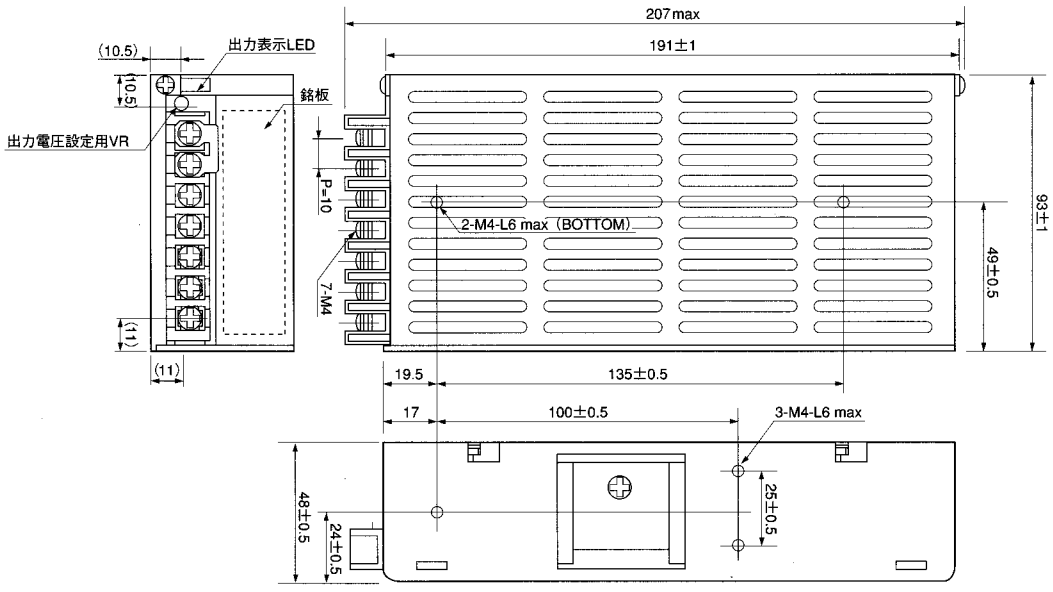
Input

Voltage nominal	:115~230VAC (Full range)
Voltage range	:85~264VAC
Frequency	:50/60Hz
Inrush current	:11A MAX. (Input 115VAC), 22MAX. (Input 230VAC)
Phase	:Single

Output

Adjustable range	:± 10%
Ripple & noise	:(Output V x 1%) + 50mVp-p MAX.
Input regulation	:0.3%MAX, (85~264Vac)
Load regulation	:1.0% MAX. (Input 100Vac, Load 0~100%)
Temperature coefficient	:0.01%/℃ (0~+50℃)
Drift / Time effect	:(Output V X 0.5%)+15mV/8H (After 1 H)
Rise-up time	:500 / 200mS MAX. (at 25°C, Rated-In-Output 100 / 230Vac)
Holding time	:30mS MIN. (at 25°C, Rated-In-Output 85-264Vac)

Dimention (mm)



No.	機 能
1	+S
2	+Vout
3	0 Vout
4	−S
5	FG
6	AC input N
7	AC input L

Terminal cover is attached

(Note) Non Activated Resin Flux is used for Soldering on P.C.B.

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