

## 200 Watts Single Output with active PFC

### INPUT SPECIFICATIONS

All specifications are typical at nominal input, full load.

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Input Voltage	85Vac-264Vac, 120Vdc-370Vdc
Input Frequency	47Hz– 63Hz
Power Factor	0.95-0.98
Input Current	<3.5A
Protection	Internal Primary Current Fuse Inrush Limiting



### OUTPUT SPECIFICATIONS

Output Voltage	See Chart
Efficiency	79-87.5%
Protection	Over Load/Voltage/Short
Ripple and Noise	≤200mV
Hold-Up Time	≥10mS (220Vac input, Full load)
Transient Response	0.5mS for 50% Load Change(typ)
Load Regulation	± 1%
Leakage Current	Input-output: <0.25mA Input-PG: <1.0mA

### GENERAL SPECIFICATIONS

MTBF(MILHDBK-217F)	More than 200,000Hrs (25°C, Full load)
Withstand Voltage	Primary-Secondary 3,0KVac ≤10mA. Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVDC; ≤10mA
EMI Conduction & Radiation	Compliance to EN55022, Class B
Harmonic Current	Compliance to EN61000-3-2, class D
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; heavy industry level
Safety Approvals	UL60950-1 2 <sup>ND</sup> Ed; IEC 60950-1; 2005(2 <sup>ND</sup> Ed); EN60950-1:2006

### FEATURES

- Withstand 300VAC surge input for 5 secs.
- High efficiency, long life and high reliability
- Output protection: SCP/OLP/OPP
- Wide operating ambient temperature (-25°C-80°C)
- All using 105°C long life electrolytic capacitor
- 100% full load burn-in test
- Built-in cooling fan speed control
- 3 years warranty

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-25°C~+70°C with derating
Storage Temperature	-40°C~+85°C
Cooling.	Forced air cooling(Built in DC fan)
Operating Humidity	20 – 90% RH No Condensing
Storage Humidity	10 – 95% RH

### MECHANICAL SPECIFICATIONS

Case Dimension	L199 x W99 x H50 mm
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Model Number	Output Voltage	Output Current	Max Output Power
PKF-200-5	5.0V	40A	200.0W
PKF-200-12	12.0V	16.7A	200.4W
PKF-200-24	24.0V	8.4A	201.6W
PKF-200-36	36.0V	5.6A	201.6W
PKF-200-48	48.0V	4.2A	201.6W

### Mechanical Specification

unit:mm Tolerance: +1mm

FixtureA (131400003101)  
FixtureB (131400003201)

### Block Diagram

### Derating Curve