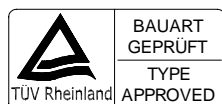


AC 200 Series New Product

200 Watt Single Output U Frame AC-DC Modules with PFC



1400 PROVIDENCE HIGHWAY • BUILDING 2
NORWOOD, MASSACHUSETTS 02062-5015

FEATURES	SPECIFICATIONS														
<ul style="list-style-type: none"> ■ 1.5" Low Profile, 4"X6" Footprint ■ Universal Input : 90 ~ 264Vac ■ Active PFC Meets EN61000-3-2 ■ EMI Meets CISPR/FCC Class B ■ High Efficiency at 80% Typical ■ Current Share ■ Remote Voltage Sense ■ AC OK Signal (Logic High) ■ DC OK Signal (Logic High) ■ PS ON/OFF Remote Control (Inhibit PSU by adding Logic High) <p>NOTE</p> <p>1: Optional function can be added when ordering: Top Cover with Fan (when forced air is needed)</p> <p>2: Add a 0.1uF ceramic capacitor and a 47uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.</p> <p>3: Voltage accuracy is set at 60% rated load and 25°C Ta.</p> <p>4: Line regulation is measured from High Line to Low Line with rated load.</p> <p>5: Load regulation is measured at 60%±40% rated load.</p> <p>6: Dimensions tolerance : +/- 1mm.</p> <p>7: Connectors: CN1(AC Input) : Molex 5273-05A or equivalent CN2(DC Output) : Molex 38700-7504 or equivalent CN6(Signals) : Molex 70247-10 or equivalent CN3,CN4,CN5(FAN) : Molex 5045-02A or equivalent</p>	<ul style="list-style-type: none"> ■ Input Characteristics <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">AC Input Voltage</td> <td>90 ~ 264Vac</td> </tr> <tr> <td>Frequency</td> <td>47 to 63Hz</td> </tr> <tr> <td>Inrush Current</td> <td>60A Max.</td> </tr> <tr> <td>EMI</td> <td>CISPR/FCC Class B</td> </tr> <tr> <td>Isolation</td> <td>Input to output = 4,242Vdc</td> </tr> <tr> <td>Leakage Current</td> <td>3.5mA max.</td> </tr> </table>		AC Input Voltage	90 ~ 264Vac	Frequency	47 to 63Hz	Inrush Current	60A Max.	EMI	CISPR/FCC Class B	Isolation	Input to output = 4,242Vdc	Leakage Current	3.5mA max.	
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Model	Output Voltage	Output Current (A)		Ripple & Noise	Voltage Accuracy	Line Reg.	Load Reg.
		Rated	Min.				
AC200-033	+3.3V	40.0	0	1%	±1%	±1%	±1%
AC200-050	+5.0V	40.0	0	1%	±1%	±1%	±1%
AC200-120	+12V	16.7	0	1%	±1%	±1%	±1%
AC200-150	+15V	13.4	0	1%	±1%	±1%	±1%
AC200-180	+18V	11.2	0	1%	±1%	±1%	±1%
AC200-240	+24V	8.4	0	1%	±1%	±1%	±1%
AC200-280	+28V	7.2	0	1%	±1%	±1%	±1%
AC200-300	+30V	6.7	0	1%	±1%	±1%	±1%
AC200-360	+36V	5.6	0	1%	±1%	±1%	±1%
AC200-480	+48V	4.2	0	1%	±1%	±1%	±1%

Typical @25°C, 230Vac and 60% rated load, unless otherwise specified.

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(Safety approvals pending)



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DRAWINGS: (Preliminary)

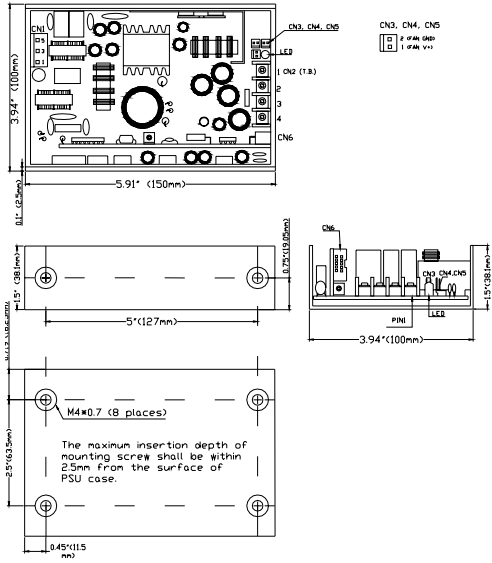


Fig.1. Mechanical Outline of AC200
Unit: inch (mm)

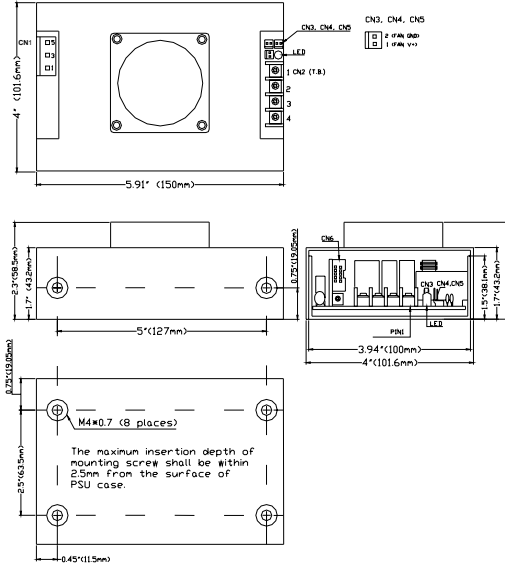


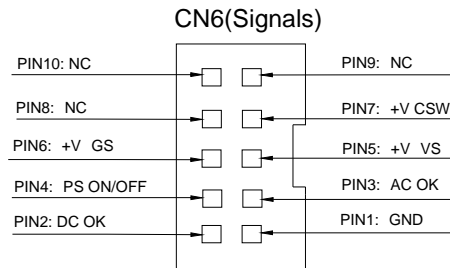
Fig.2. Mechanical Outline of AC200-F (With Optional Fan)
Unit: inch (mm)

PIN CONNECTION:

CN1 (AC Input)	
PIN NO.	ASSIGNMENT
1	Earth Ground
2	NC
3	Neutral
4	NC
5	Line

CN2 (DC Output, T.B.)	
PIN NO.	ASSIGNMENT
1	+V
2	+V
3	PWR GND
4	PWR GND

CN3,CN4,CN5 (FAN Output)	
PIN NO.	ASSIGNMENT
1	+12V(FAN)
2	GND(FAN)



Note: VS means Remote Sense "+"

GS means Remote Sense "Return"

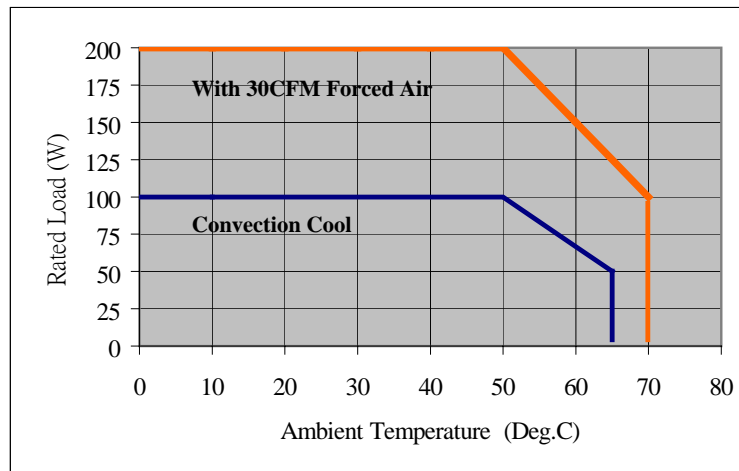


Fig.3. Output Derating Curve