



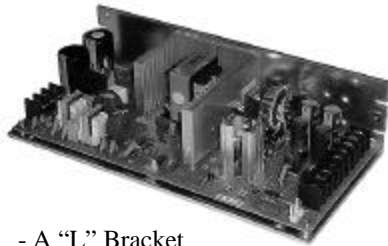
**TRI-MAG, Inc.**

® *your* POWER Specialists

1601 N. CLANCY CT. • VISALIA, CA 93291  
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<http://www.tri-mag.com>  
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# MF5200 SERIES

## 200 Watt



- A "L" Bracket



- B Enclosed

### DESCRIPTION

The MF5200 Series is a compact high efficiency 200 watts output power supply, featuring Auto Range Input and a wide input frequency range of 47Hz to 63Hz.

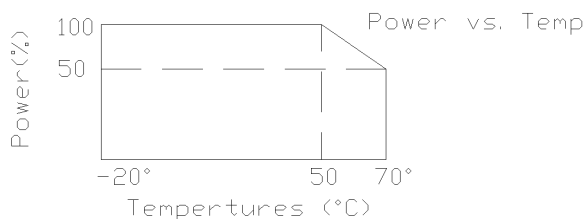
This series is equipped with thermal protection to prevent overheat damage due to overload or cooling problems.

### FEATURES

- Compact
- Overload Protection and Short Circuit Protection
- Overvoltage Protection
- 100% Hi-Pot Test
- 100% Cycling On-Off Burn-in Test
- Built-in Line Filter to Meet FCC Class B
- Power Good Signal

### APPLICATIONS

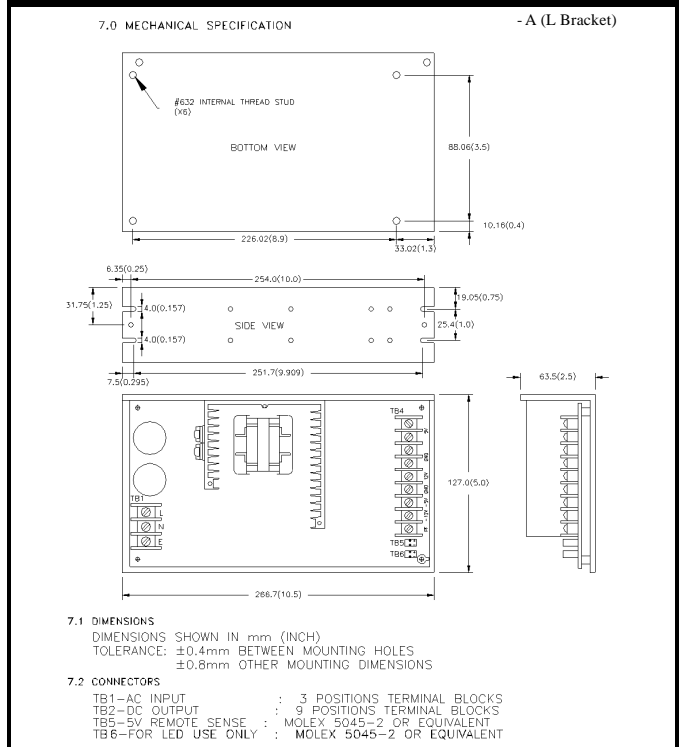
- Computer Systems
- Plotters, Printers
- Robotics, Instrumentation
- General Purpose
- Medical Equipment
- Industrial and Process Control
- Telecommunication
- Industrial Computer



### GENERAL SPECIFICATIONS

Input Voltage.....	115VAC to 230VAC Auto Range
Input Frequency.....	47Hz to 63Hz
Inrush Current (cold).....	Less than 15A @ 115VAC Less than 30A @ 230VAC
Operating Temperature.....	0 to 50°C
Storage Temperature.....	- 20°C to 85°C
Cooling.....	Free Air Convection
Efficiency.....	75% Typical
Holdup Time.....	16ms at 115VAC
Overvoltage Type.....	Crowbar
Overload Protection.....	Hiccup mode at 150% load
Switching Frequency.....	>25KHz
Safety:	
Designed in full compliance with.....	UL 1950 CSA 22.2 #234 VDE EN60950

### MECHANICAL SPECIFICATION





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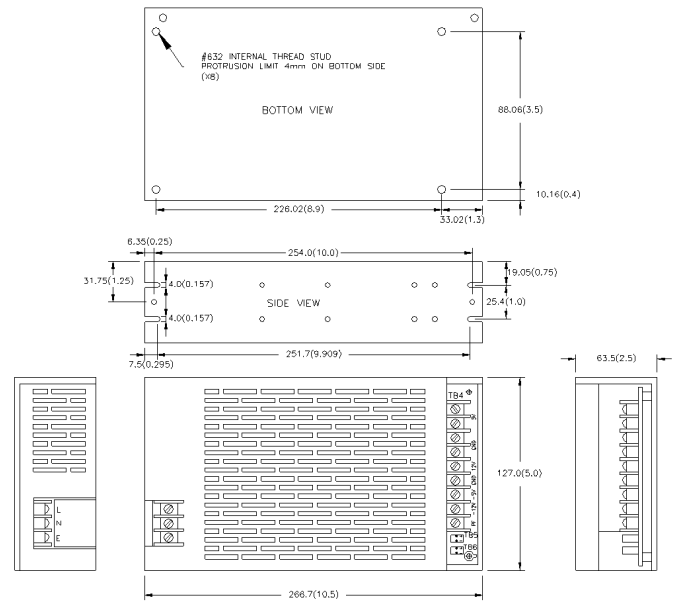
**MF5200 SERIES 200 WATT — PIN ASSIGNMENT**

Pin	1	2	3	4	5	6	7	8	9
MF5200-1A	+5V	+5V	GND	GND	+12V	GND	-5V	-12V	PF
MF5200-6A	+5V	+5V	+5V	+5V	GND	GND	GND	GND	-
MF5200-7A	+12V	+12V	+12V	+12V	GND	GND	GND	GND	-
MF5200-8A	+15V	+15V	+15V	+15V	GND	GND	GND	GND	-
MF5200-9A	+24V	+24V	+24V	+24V	GND	GND	GND	GND	-
MF5200-11A	+5V	+5V	GND	GND	GND	+24V	+24V	+12V	-12V

7.0 MECHANICAL SPECIFICATION - B ENCLOSED

**MF5200 SERIES 200 WATT — OUTPUT SPECIFICATIONS**

Model	Voltage (Vdc)	Load (A)			Tolerance ±	Ripple & Noise	Regulation	
		Min.	Rate	Peak			Line	Load
MF5200-1A	+5V	3.00	20	25	1%	50 mV	1%	1%
	+12V	0	7.5	7.5	5%	100 mV	4%	1%
	-12V	0	0.5	2.5	10%	100 mV	1%	1%
	-5V	0	0.5	0.5	10%	100 mV	1%	1%
MF5200-6A	+5V	3.0	40.0	-	1%	50 mV	1%	1%
MF5200-7A	+5V	3.0	20.0	-	1%	100 mV	1%	1%
MF5200-8A	+5V	3.0	-	-	1%	120 mV	1%	1%
MF5200-9A	+12V	2.0	8.4	12	1%	200 mV	1%	1%
MF5200-11A	+5V	0.5	14	-	1%	50 mV	4%	1%
	+12V	0	2.0	-	5%	100 mV	5%	1%
	-12V	0	0.5	-	10%	100 mV	5%	1%
	+24V	0	4.0	5.0	10%	200 mV	5%	1%



7.1 DIMENSIONS  
 DIMENSIONS SHOWN IN mm (INCH)  
 TOLERANCE: ±0.4mm BETWEEN MOUNTING HOLES  
 ±1.0mm OTHER MOUNTING DIMENSIONS

7.2 CONNECTORS  
 TB1-AC INPUT : 3 POSITIONS TERMINAL BLOCKS  
 TB2-DC OUTPUT : 9 POSITIONS TERMINAL BLOCKS  
 TB5-5V REMOTE SENSE : MOLEX 5045-2 OR EQUIVALENT  
 TB6-FOR LED USE ONLY : MOLEX 5045-2 OR EQUIVALENT

7.3 DC OUTPUT ASSIGNMENT : (SHOWN ON DRAWING)

**NOTE:** “-A” Auto Range  
 “-B” Auto Range and cover