



# 200~480Watt Full Brick DC to DC Converters



## FEATURES

- Utilizing patented Flat Transformer™ Technology
- Industry standard pin-out configuration
- OVP, OCP, OTP protections
- Remote sense for the output voltage
- On/Off control reference to input side

## SPECIFICATIONS

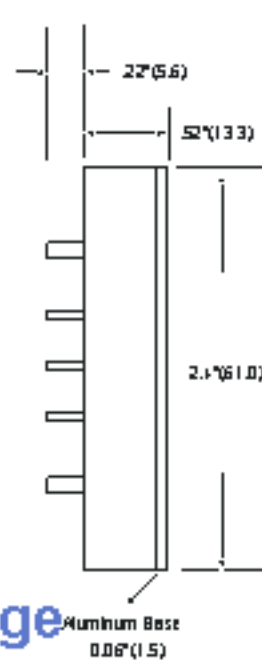
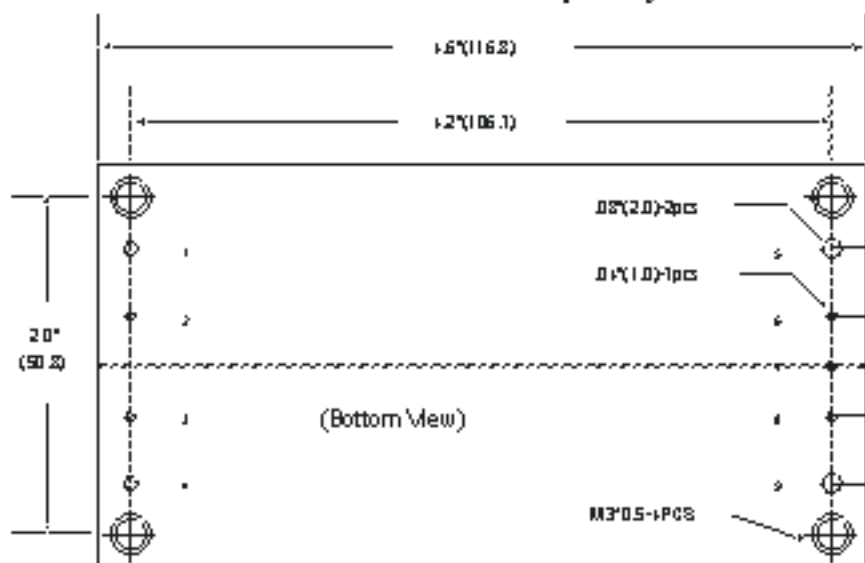
- Input Voltage Range.....See Model List
- Output R&N.....150mVp-p
- Load Regulation.....±0.5%(max)
- Output Temperature Drift.....0.02%/°C
- Settling Time.....500 uSec. max
- Trimming Range.....±10%
- Remote Sense Compensation.....0.2V
- ON State Voltage.....(5.0Vtyp.).....3.5~7.0V
- OFF State Voltage.....0~0.9V
- ★ High active (or open) in On/Off control pin. Low logic level (0~0.9V) will disable the converter.
- Isolation.....(Input to Output).....2,500VDC
- Isolation.....(Input to Baseplate).....1,500VDC
- Isolation.....(Output to Baseplate).....500VDC
- Isolation Capacitance.....(Input to Output).....1300pF
- Insulation Resistance.....(Input to Output).....50MΩ
- OVP Set-point.....120%~130% of output voltage
- OCP Set-point.....105%~125% of Full Load
- OTP Set-point.....95°C~105°C
- Long-term Short-circuit Current.....0.3A
- UVLO/Start up voltage.....93%~98% of input voltage
- UVLO/Shut down voltage...88%~95% of input voltage
- ★ Once the protection circuit performs, the converter will shutdown.  
One should remove the fault and re-power again.(not auto-recover)
- Thermal Resistance (w/o heat-sink).....5°C/W
- Storage Temperature.....-40°C to 125°C
- Operating Temperature.....-10°C to 70°C
- Storage Humidity.....0%~95%
- Operating Humidity.....0%~95%

## Model List

Model#	Input Voltage	Vout (VDC)	Iout (Amp)	Voltage Accuracy
IMT 200-24-3.3	18-24-36	3.3	40	3.234~3.366V
IMT 200-24-5	18-24-36	5	30	4.9~5.1V
IMT 200-24-10	18-24-36	10	20	9.8~10.2V
IMT 200-24-12	18-24-36	12	17	11.76~12.24V
IMT 200-48-3.3	36-48-72	3.3	50	3.234~3.366V
IMT 200-48-5	36-48-72	5	40	4.9~5.1V
IMT 200-48-10	36-48-72	10	20	9.8~10.2V
IMT 200-48-12	36-48-72	12	17	11.76~12.24V
IMT 200-72-3.3	50-72-100	3.3	50	3.234~3.366V
IMT 200-72-5	50-72-100	5	40	4.9~5.1V
IMT 200-72-10	50-72-100	10	20	9.8~10.2V
IMT 200-72-12	50-72-100	12	17	11.76~12.24V
IMT 200-150-3.3	100-150-200	3.3	50	3.234~3.366V
IMT 200-150-5	100-150-200	5	40	4.9~5.1V
IMT 200-150-10	100-150-200	10	20	9.8~10.2V
IMT 200-150-12	100-150-200	12	17	11.76~12.24V
IMT 200-150-15	100-150-200	15	10	14.7~15.3V
IMT 200-300-3.3	200-300-400	3.3	50	3.234~3.366V
IMT 200-300-5	200-300-400	5	40	4.9~5.1V
IMT 200-300-10	200-300-400	10	20	9.8~10.2V
IMT 200-300-12	200-300-400	12	17	11.76~12.24V
IMT 200-300-15	200-300-400	15	10	14.7~15.3V
IMT 400-48-3.3	36-48-75	3.3	100	3.234~3.366V
IMT 400-48-5	36-48-75	5	80	4.9~5.1V
IMT 400-48-12	36-48-75	12	40	11.76~12.24V
IMT 400-48-15	36-48-75	15	30	14.7~15.3V
IMT 400-48-24	40-48-75	24	20	23.53~24.4V
IMT 400-300-3.3	200-300-400	3.3	100	3.234~3.366V
IMT 400-300-5	200-300-400	5	80	4.9~5.1V
IMT 400-300-12	200-300-400	12	40	11.76~12.24V
IMT 400-300-15	200-300-400	15	30	14.7~15.3V
IMT 400-300-24	200-300-400	24	20	23.53~24.4V
IMT 400-375-3.3	325-375-425	3.3	100	3.234~3.366V
IMT 400-375-5	325-375-425	5	80	4.9~5.1V
IMT 400-375-12	325-375-425	12	40	11.76~12.24V
IMT 400-375-15	325-375-425	15	30	14.7~15.3V
IMT 400-375-24	325-375-425	24	20	23.53~24.4V

## Mechanical Drawing

All Dimensions In Inches (mm)



Pin	Function
1	-Vin
2	NC
3	On/Off
4	+Vin
5	-Vout
6	-Sense
7	Trim
8	+sense
9	+Vout

Tolerances	
Inches	(Millimeters)
.X 0.02	.X 0.5
.XX 0.01	.XX 0.25
Pin: 0.004	0.1

[Click to enlarge](#)

