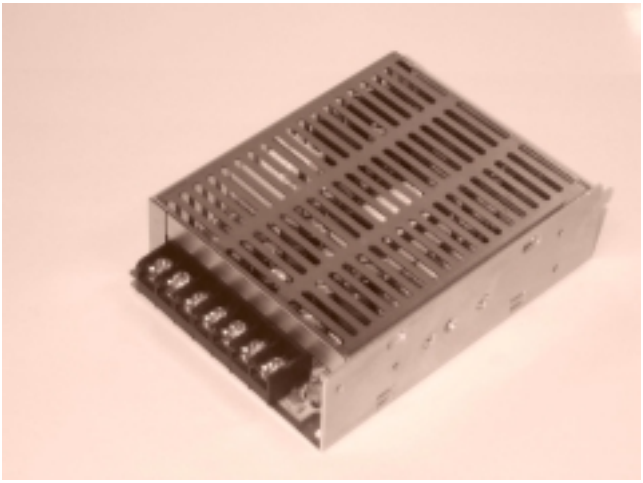
TOTAL POWER INT.
TPS40LB SWITCHING MODE 40W LOW COST BOX TYPE POWER SUPPLY



KEY FEATURES

**Universal input*
**Built-in EMI filter*
**LOW COST*
**Optional constant current change (for single output)*

APPLICATIONS

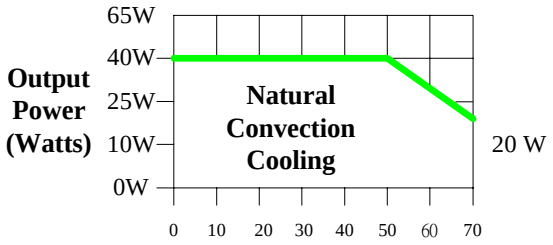
**Telecommunications*
**Computer peripherals/Lan & Hub*
**Test & industrial equipments*
**Medical instruments*
**Business machines*

ELECTRICAL SPECIFICATIONS

INPUT
*Input range----------90~264 VAC, universal
*Frequency----------47~63Hz
*Inrush current--------30A typical, Cold start @25℃,115VAC
*Efficiency----------65% ~80% typical at full load
*EMI filter----------FCC Class B conducted, CISPR 22 Class B conducted, EN55022 class B Conducted
*Line regulation----- +/- 0.5% typical

OUTPUT
*Maximum power----40W convection(Refer next page)
*Hold-up time --------10ms typical at full load and 115 VAC nominal line
*Overload protection-Short circuit protection
*Overvoltage protection ----------Main output 20% to 40% above nominal output
*Ripple/Noise -------- +/- 1% Max. @full load (Optional +/-0.5% per inquiry)

Power Derating Curve



Ambient Temperature(° C)

EMI & EMC (IN PROCESS)

*FCC part 15, Class B
*CISPR 22 / EN55022, Class B
*VCCI ,Class 2
*CE , EN61000-3-2 (Class A) and –3 ; EN61000-4-2, -3 , -4 , -5 , -6 and -11

SAFETY APPROVAL(IN PROCESS)

*UL1950 / c UL
*Optional CSA 22.2, LEVEL 3
*TUV EN60950
*Optional UL 2601(EMI Class A)

ENVIRONMENTAL

*Operating temperature :
0 to 50℃ ambient; derate each output at 2.5% per degree from 50℃ to 70℃
*Humidity:
Operating; non-condensing, 5% to 95%
*Vibration :
10~55 Hz at 1G 3 minutes period, 30 minutes along X, Y and Z axis
*Storage temperature:
-40 to 85℃
*Temperature coefficient:
+/- 0.05% per degree C
*MTBF demonstrated:
>100,000 hours at full load and 25℃ ambient conditions

TOTAL POWER, INT. TEL: 877-646-0900 FAX: 978-453-7395
E-mail: sales@total-power.com http://www.total-power.com

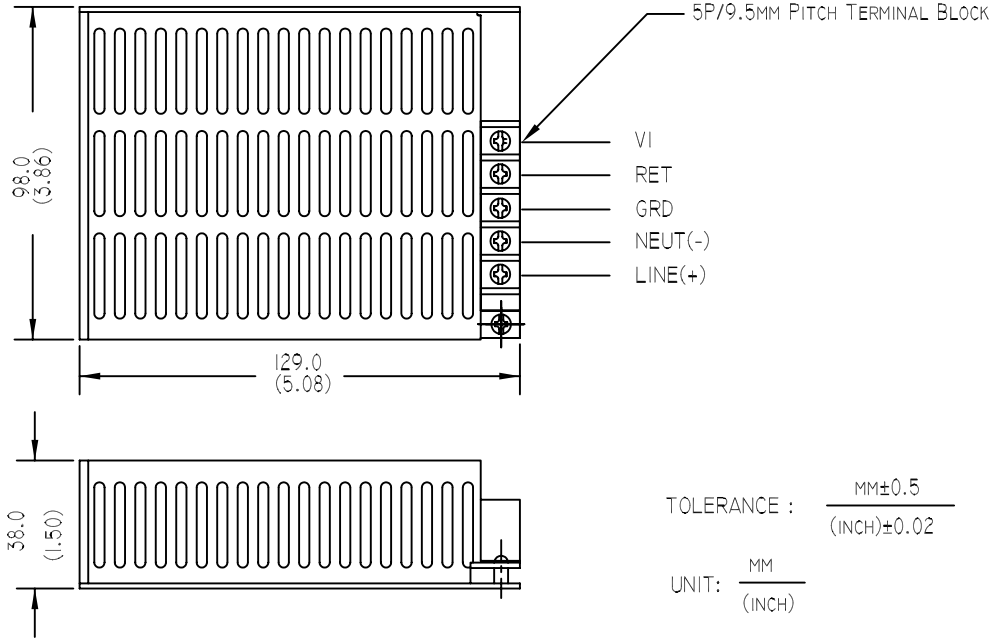
MODEL	OUTPUT VOLTAGE	ADJUSTMENT RANGE	MAXIMUM OUTPUT CURRENT	PEAK OUTPUT CURRENT(NOTE1)	MINIMUM OUTPUT CURRENT	TOTAL REGULATION(NOTE3)	RIPPLE & NOISE %P-P(NOTE2)	PEAK OUTPUT POWER(NOTE1)
SINGLE OUTPUT MODEL SELECTION CHART								
TPS40LB-10	+5V	±10% Typical	8A	10.4A	0A	±3%	±1%	52W Typical
TPS40LB-11	+ 12V	±10% Typical	3.33A	4.33A	0A	±3%	±1%	52W Typical
TPS40LB-12	+15V	±10% Typical	2.66A	3.46A	0A	±3%	±1%	52W Typical
TPS40LB-13	+24V	±10% Typical	1.66A	2.16A	0A	±3%	±1%	52W Typical
TPS40LB-14	+48V	±10% Typical	0.83A	1.08A	0A	±3%	±1%	52W Typical
TPS40LB-15	+3.3V	±10% Typical	8A	10.4A	0A	±5%	±1.5%	35W Typical
DUAL OUTPUT MODEL SELECTION CHART								
TPS40LB-20	+5V	±10% Typical	4A	7.8A	0.4A	±5%	±1.5%	52W Typical
	+12 V	Fixed	2.5A	5.2A	0.25A	±5%	±1%	
TPS40LB-21	+5V	±10% Typical	6A	7.8A	0.6A	±5%	±1%	52W Typical
	+24V	Fixed	0.5A	1.3A	0.05A	±5%	±1%	
TPS40LB-22	+5 V	±10% Typical	5A	6.5A	0.5A	±5%	±1%	52W Typical
	-5V	Fixed	3A	1.3A	0.3A	±5%	±1%	
TPS40LB-23	+12V	±10% Typical	2A	4.68A	0.2A	±5%	±1%	52W Typical
	-12V	Fixed	2A	1.17A	0.2A	±5%	±1%	
TPS40LB-24	+15V	±10% Typical	1.4A	2.21A	0.14A	±5%	±1%	52W Typical
	-15V	Fixed	1.4A	2.21A	0.14A	±10%	±1%	
TPS40LB-25	+3.3V	±10% Typical	8.9A	11.57A	0.89A	±5%	±1.5%	52W Typical
	+12V	Fixed	0.9A	1.17A	0.09A	±10%	±1%	
TPS40LB-26	+5V	±10% Typical	1A	13A	0.1A	±5%	±1%	52W Typical
	+48V	Fixed	0.8A	0.26A	0.08A	±10%	±1%	
TRIPLE OUTPUT MODEL SELECTION CHART								
TPS40LB-30	+ 5V	±10% Typical	3A	3.9A	0.3A	±5%	±1%	52W Typical
	+12V	Fixed	2A	2.6A	0.2A	±5%	±1%	
	-5V	Fixed	0.5A	0.65A	0.05A	±10%	±1%	
TPS40LB-31	+ 5V	±10% Typical	3A	3.9A	0.3A	±5%	±1%	52W Typical
	+12V	Fixed	2A	2.6A	0.2A	±5%	±1%	
	- 12V	Fixed	0.5A	0.65A	0.05A	±10%	±1%	
TPS40LB-32	+ 5V	±10% Typical	3A	3.9A	0.3A	±5%	±1%	52W Typical
	+15V	Fixed	2A	2.6A	0.2A	±5%	±1%	
	-15V	Fixed	0.5A	0.65A	0.05A	±10%	±1%	
TPS40LB-33	+5V	±10% Typical	3A	3.9A	0.3A	±5%	±1%	52W Typical
	+15V	Fixed	2A	2.6A	0.2A	±5%	±1%	
	- 5 V	Fixed	0.5A	0.65A	0.05A	±10%	±1%	
TPS40LB-34	+ 5V	±10% Typical	3A	3.9A	0.3A	±5%	±1%	52W Typical
	+15V	Fixed	1.5A	1.3A	0.15A	±5%	±1%	
	-12V	Fixed	0.5A	0.65A	0.05A	±10%	±1%	
TPS40LB-35	+ 5V	±10% Typical	3A	3.9A	0.3A	±5%	±1%	52W Typical
	+24V	Fixed	1A	1.3A	0.1A	±5%	±1%	
	-12V	Fixed	0.5A	0.65A	0.05A	±10%	±1%	
TPS40LB-36	+5V	±10% Typical	1A	9.1A	0.1A	±5%	±1.5%	52W Typical
	+12	Fixed	2.5A	1.95A	0.25A	±5%	±1%	
	-12V	Fixed	0.5A	1.04A	0.05A	±10%	±1%	
TPS40LB-37	+ 5V	±10% Typical	3A	3.9A	0.3A	±5%	±1%	52W Typical
	+12V	Fixed	1.5A	1.3A	0.15A	±5%	±1%	
	+24V	Fixed	0.5A	0.65A	0.05A	±10%	±1%	
TPS40LB-38	+5V	±10% Typical	2A	9.1A	0.2A	±5%	±1.5%	52W Typical
	+12V	Fixed	0.5A	1.95A	0.05A	±5%	±1%	
	+48V	Fixed	0.6A	1.04A	0.06A	±10%	±1%	

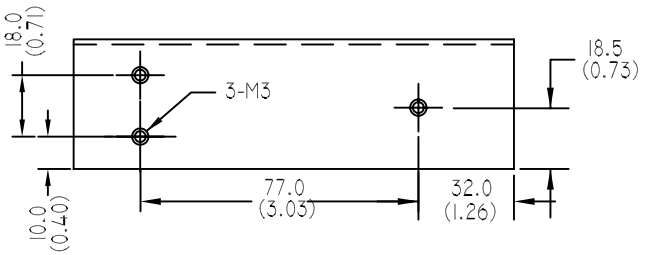
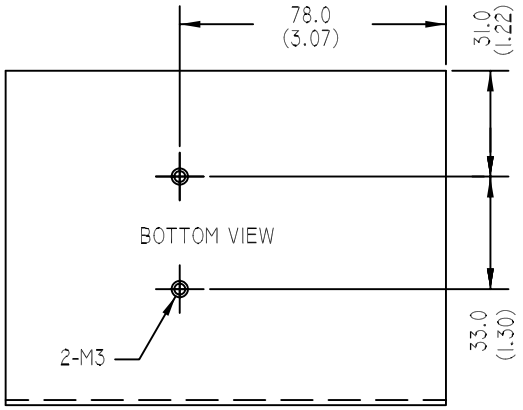
NOTES: 1) Peak loads for lasting <30 seconds with a maximum 10% duty cycle are acceptable. Please contact us if need special peak load.
2) Maximum peak to peak noise expressed as a percentage of output voltage, 20MHz bandwidth, 0.1 μF and 47 μF Cap. on outputs.
3) Loading test conditions are set for all outputs at minimum, middle and maximum of loads. Special cross loading requirement is welcomed.
4) Detailed engineering specification of each model is available for inquiry.
5) Special output voltage/current inquiry is welcomed.
6) Specifications subject to change without notice.

TOTAL POWER INTERNATIONAL

TOLL FREE# 877-646-0900

TPS40LB



TOLERANCE : MM±0.5 / (INCH)±0.02

UNIT: MM / (INCH)