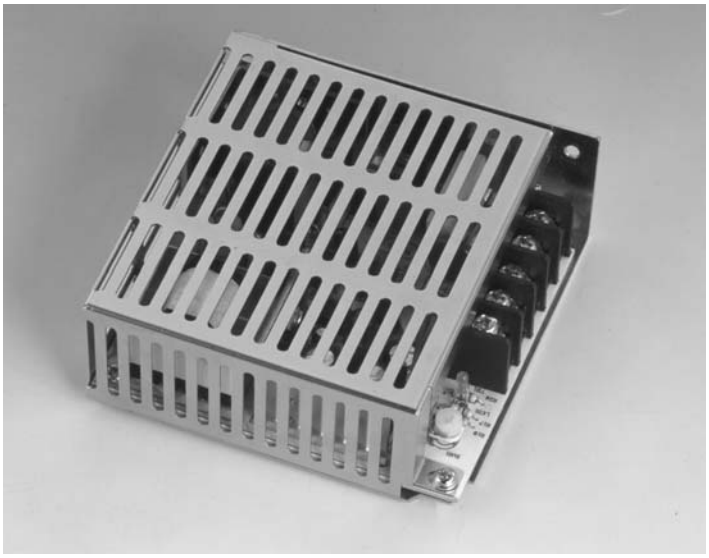
Total Power International, Inc.

TPS25LB SERIES

BOX TYPE



KEY FEATURES

* *Universal input*
* *Built-in EMI filter*
* *Low Cost*

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 -------- 25A Typ. Cold start @ 25˚C, 115VAC
* Efficiency ---------- 65%~80% typical at full load
* EMI filter ---------- FCC Class B, CISPR 22 Class B, EN55022 class B
* Line regulation ------ +/- 0.5%

OUTPUT

* Maximum power ----- 25W for convection (Refer to next page)
* Hold-up time ---------- 10ms 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)

ORDERING INFORMATION

TPS 25 LB - X X

- Model extension
- 1 for single output, 2 for dual outputs, 3 for triple outputs
- Low Cost Box Type
- Output wattage
- Series Name

EMI & EMC

* 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

* UL 1950 / cUL
* Optional CSA 22.2, LEVEL 3 (COMPLY WITH)
* TUV EN60950
* Optional UL 2601(EMI Class A) (COMPLY WITH)

ENVIRONMENTAL

* Operating temperature: 0 to 50˚C ambient; derate each output at 2.5% per degree from 50˚C to 70˚C
* Electromagnetic susceptibility: Designed to meet IEC 801 -2, -3, -4, -5, Level 3
* 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˚C
* Temperature coefficient: +/- 0.05% per degree C
* MTBF demonstrated: > 100,000 hours at full load and 25˚C ambient conditions

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SWITCHING MODE 25W POWER SUPPLIES

OUTPUT SPECIFICATION

TPS25LB-1X

MODEL	OUTPUT CURRENT (A)								
	5V	12V	15V	24V	48V	36V	28V	3.3V	20V
TPS25LB-10	5								
TPS25LB-11		2.08							
TPS25LB-12			1.66						
TPS25LB-13				1.04					
TPS25LB-14					0.52				

TPS25LB-2X

MODEL	OUTPUT CURRENT (A)								
	5V	12V	-5V	-12V	15V	-15V	24V	48V	3.3V
TPS25LB-20	3.75	0.58							
TPS25LB-21	3.75						0.34		
TPS25LB-22	3.75		1.25						
TPS25LB-23		1.08		1.08					
TPS25LB-24					0.83	0.83			

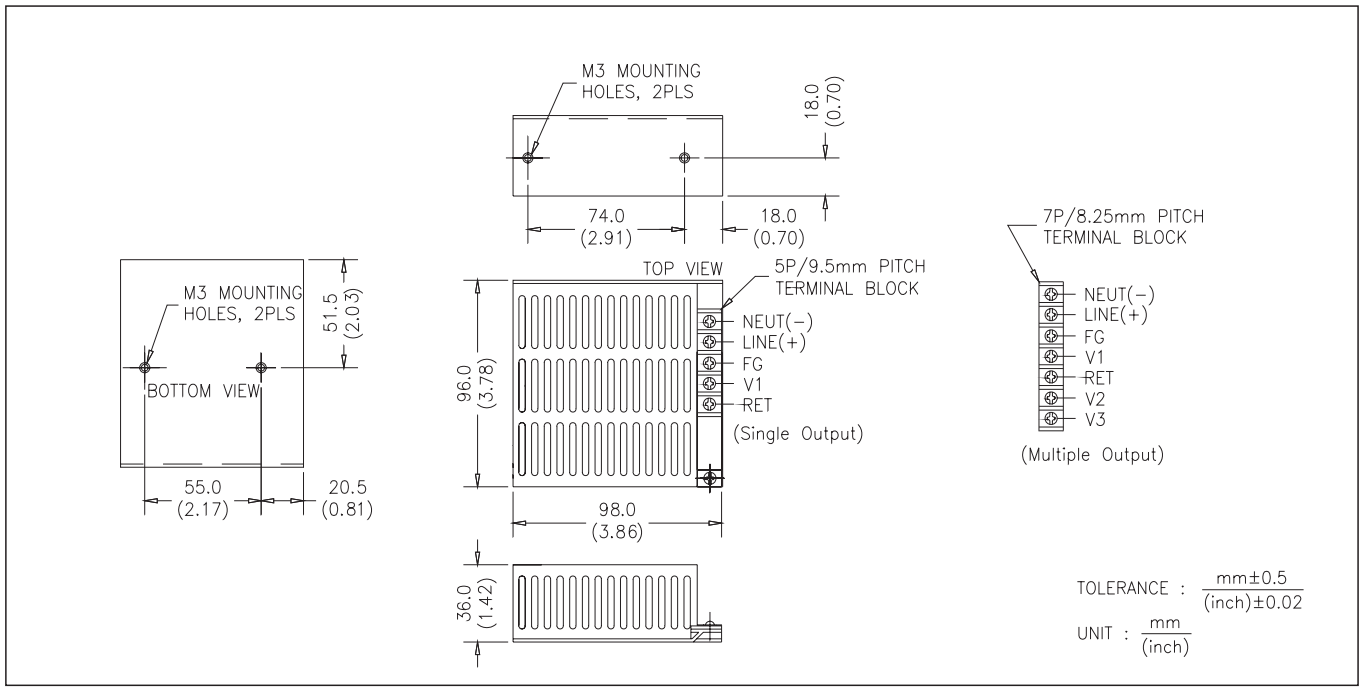
TPS25LB-3X

MODEL	OUTPUT CURRENT (A)								
	5V	12V	-5V	-12V	15V	-15V	24V	48V	3.3V
TPS25LB-30	3.33	0.42	0.83						
TPS25LB-31	3.33	0.42		0.33					
TPS25LB-32	3.33				0.33	0.33			
TPS35LB-33	2.5		0.83		0.58				
TPS25LB-34	2.5			0.4	0.5				
TPS25LB-35	2.5			0.42			0.33		
TPS25LB-36	1	1.5		0.4					
TPS25LB-37	2.5	0.42					0.33		
TPS25LB-38	1.67	0.83						0.17	

NOTES

* 120% Peak current lasting < 30 seconds with a maximum 10% duty cycle.
* Specifications are for convection rating unless otherwise stated.
* Detailed engineering specification of each model is available for inquiry.
* Special output voltage inquiry is welcomed.
* Specifications subject to change without notice.

MECHANICAL DRAWING



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