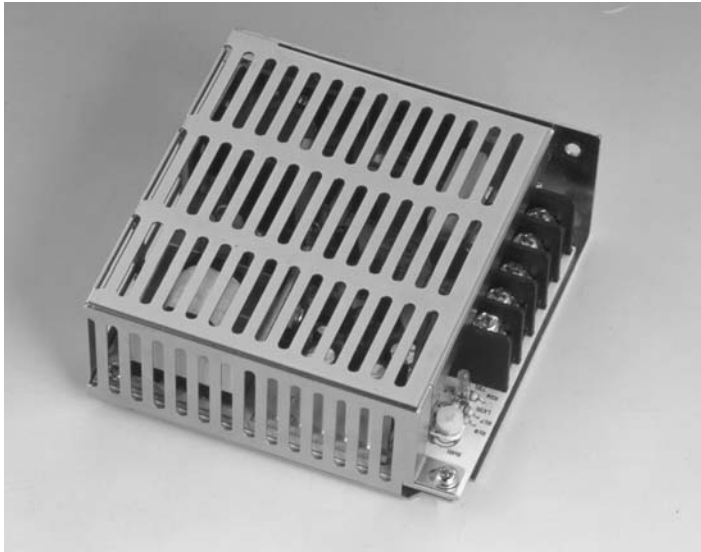




## TPS25LB SERIES

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

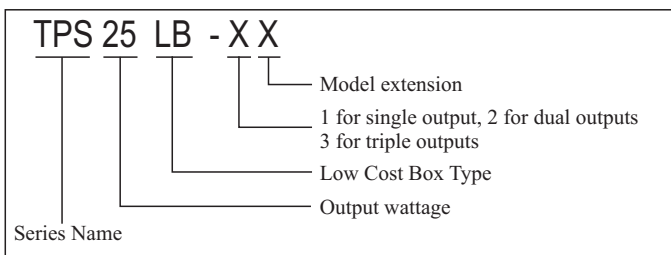
#### INPUT

- \* 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



### 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



## 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			

### 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.

#### 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	

### MECHANICAL DRAWING

