



# MEAN WELL

## SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

### TL-20

#### TRAFFIC LIGHTING POWER SUPPLY SERIES

- .LOW COST, HIGH RELIABILITY
- .COMPACT SIZE , LIGHT WEIGHT
- .INTERNATIONAL AC INPUT RANGE
- .HIGH EFFICIENCY, LOW WORKING TEMPERATURE
- .SHORT CIRCUIT,OVER VOLTAGE ,PROTECTED

- INSTRUCTION:
- 1.BUILT IN PFC CIRCUIT
  - 2.CONSTANT CURRENT (ADJUSTABLE)
  - 3.TRAFFIC LED LIGHTING USED
  - 4.UNDER INPUT VOLTAGE PROTECTION



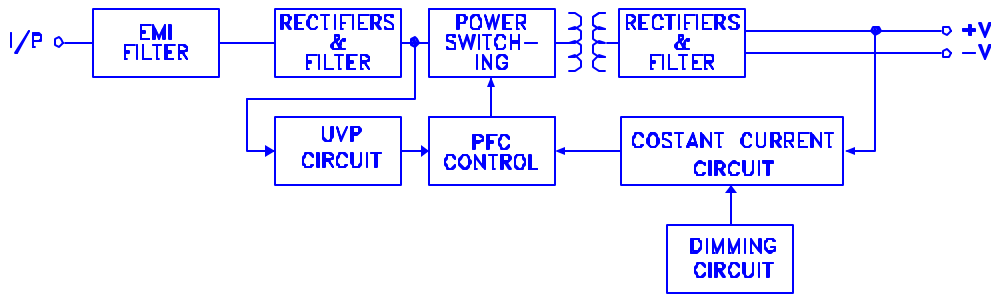
SPECIFICATION	MODEL	TL-20-24			
		A	B	C	D
DC OUTPUT VOLTAGE		24V(TYP.)			
OUTPUT V. TOLERANCE		20~32 ±5%			
OUTPUT RATED CURRENT		600mA	400mA	250mA	120mA
OUTPUT CURRENT LIMIT RANGE (mA)		500~720	300~480	200~280	80~180
DIMMING FUNCTION	2.	REFER DIMMING CURVE			
UNDER LINE VOLTAGE PROTECTION	3.	<150V			
DC OUTPUT POWER		16.8W(MAX.)			
EFFICIENCY		68%	66%	55%	50%
DC VOLTAGE ADJ.		FIXED (DEPEND ON TRAFIC LED MODULE)			
INPUT VOLTAGE RANGE	4.	150V~264V,47~63Hz			
AC CURRENT		0.3A	0.25A	0.2A	0.1A
POWER FACTOR		>0.9			
OVER VOLTAGE PROTECTION		34~41V			
SETUP TIME		<120ms			
VIBRATION		10~500Hz, 2G 3AXES 10min./1cycle(1.HOUR/EACH AXES)			
WORKING TEMP., HUMIDITY		-40 J~74 J,20%RH~90% RH			
STORAGE TEMP., HUMIDITY		-40 J~95 J,10%RH~95% RH			
DIMENSION		107*61*30 mm.			
WEIGHT		100gs			
SAFETY STANDARDS		PENDING			
EMC STANDARDS		PENDING			

**NOTE G**

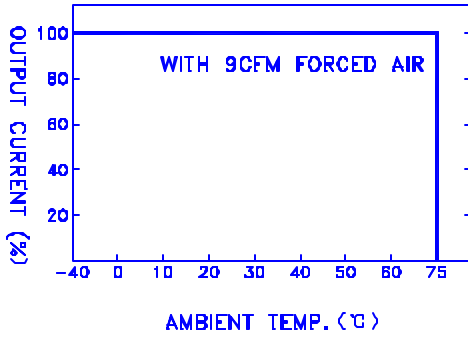
- 1.ALL PARAMETERS ARE SPECIFIED AT 240VAC INPUT, RATED LOAD, 25 J,70% RH. AMBIENT.
- 2.AC CURRENT IS MEASURED AT 240VAC.
- 3.DIMMING FUNCTION WILL DECREASE IF INPUT VOLTAGE DROPS TO SPEC.VALUE.
- 4.UNDER LINE VOLTAGE PROTECTION IF INPUT VOLTAGE UNDER SPEC.VALUE,OUTPUT CURRENT WILL DROPS TO 5%RATED LOAD.
- 5.INPUT VOLTAGE RANGE SET AT EITHER 240VAC ONLY.

2001-01-12

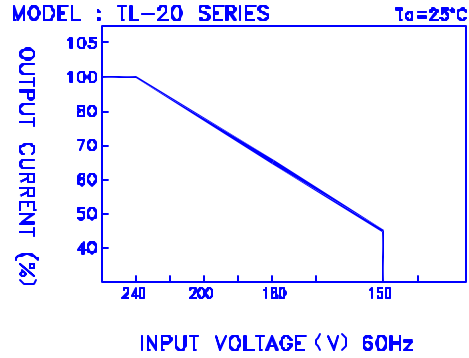
## BLOCK DIAGRAM



## OUTPUT DERATING



## DIMMING FUNCTION CURVE



## DIMENSION:mm

### ☒ TERMINAL PIN NO. ASSIGNMENT

- ☒ CN1 : JST B3P-VH
- ☒ PIN1,2 : AC INPUT
- ☒ CN2 : JST B2P-VH
- ☒ PIN 1 : DC OUTPUT +V
- ☒ PIN 2 : DC OUTPUT -V

### ☒ MATING CONNECTORS

- ☒ CN1,2 MATING CONNECTOR TYPE JST VHR SERIES OR EQUIVALENT WITH JST SVH-21T-P1.1 OR EQUIVALENT CRIMP TERMINALS.

