



## ■ Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 second
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Miniature size and 1U low profile
- Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1, 2-16 for household appliances
- Operating altitude up to 5000 meters (Note.7)
- Withstand 5G vibration test
- LED indicator for power on
- No load power consumption<0.3W
- 100% full load burn-in test
- High operating temperature up to 70°C
- High efficiency, long life and high reliability
- 3 years warranty

## ■ Applications

- Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- Household appliances

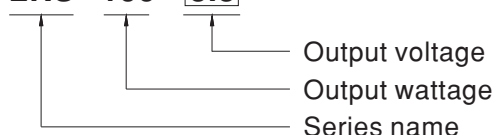
## ■ Description

LRS-100 series is a 100W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 85~264VAC input, the entire series provides an output voltage line of 3.3V, 5V, 12V, 15V, 24V, 36V and 48V.

In addition to the high efficiency up to 91%, the design of metallic mesh case enhances the heat dissipation of LRS-100 that the whole series operates from -30°C through 70°C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.3W), it allows the end system to easily meet the worldwide energy requirement. LRS-100 has the complete protection functions and 5G anti-vibration capability; it is complied with the international safety regulations such as TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943. LRS-100 series serves as a high price-to-performance power supply solution for various industrial applications.

## ■ Model Encoding

**LRS - 100 - 3.3**





# LRS-100 series

## MODEL

### DC VOLTAGE

**RATED CURRENT**

### CURRENT RANGE

## RATED POWER

**OUTPUT VOLTAGE ADJ. RANGE**

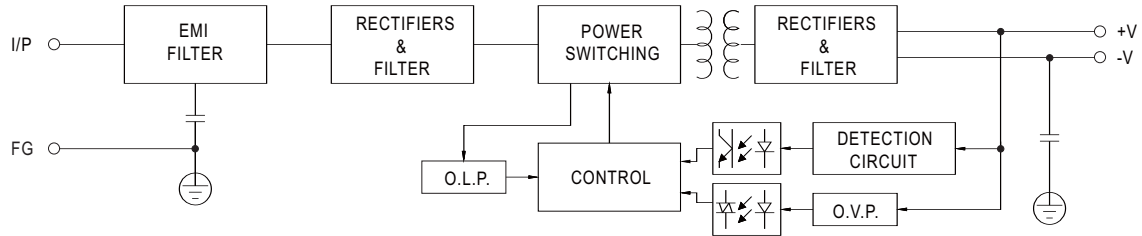
## LINE REGULATION Note.4

## LOAD REGULATION Note.5

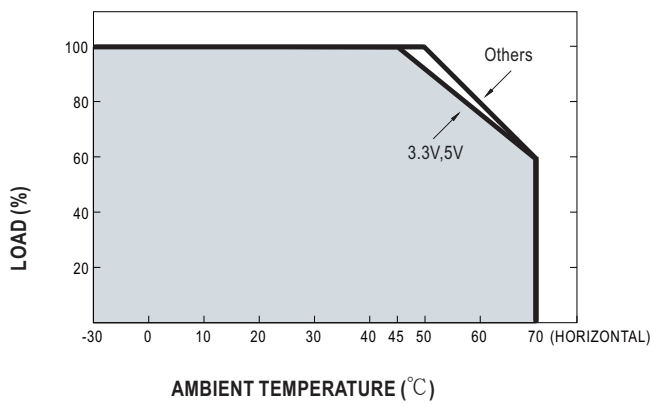
SETUP,RISE TIM6T(HOL-.0228 -.11 S(2(.0228 UT)-yp.)ADJ.)22eBote.5)T8.48 0 0 33.2484.5822 -1.8342 TD-.03 VOLTADR-5.(C-5.(O)N5.(O)-60.2(LTA

### ■ Block Diagram

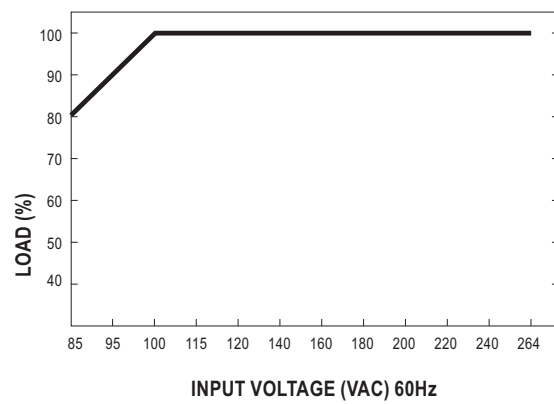
fosc : 65KHz



### ■ Derating Curve

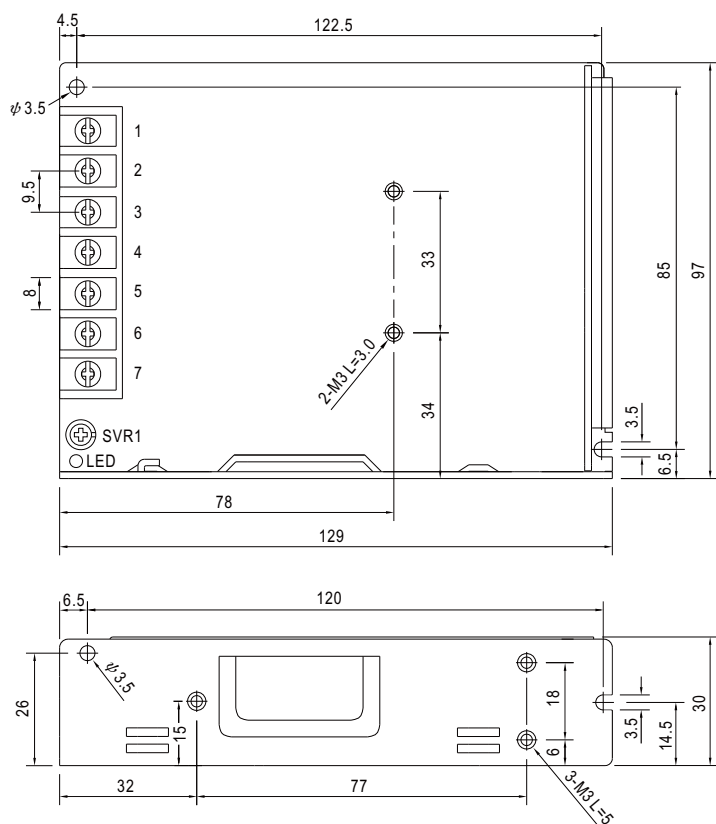


### ■ Static Characteristics



## Mechanical Specification

Case No.238A Unit:mm



Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG $\perp$		

## Installation Manual

Please refer to : <http://www.meanwell.com/webnet/search/InstallationSearch.html>