

LP1013 LED Driver

For High Power LED Lighting Applications

Total Power	12 Watts max.
Input Voltages	100 ~ 277VAC
Number of Outputs	One

Product Specifications

ANZ#: Z175d, June 23, 2012

Features :

- DC Output with Constant Current or Constant Voltage
- IP66 compliant
- For dry or damp locations only
- Convection Cooled in plastic housing
- Meet UL8750, Class 2, cUL, FCC A, CE
- Three Years Warranty

Applications :

- LED Back Light
- LED Architectural Lighting
- LED General Luminaire
- LED Channel Letter
- LED Down Light

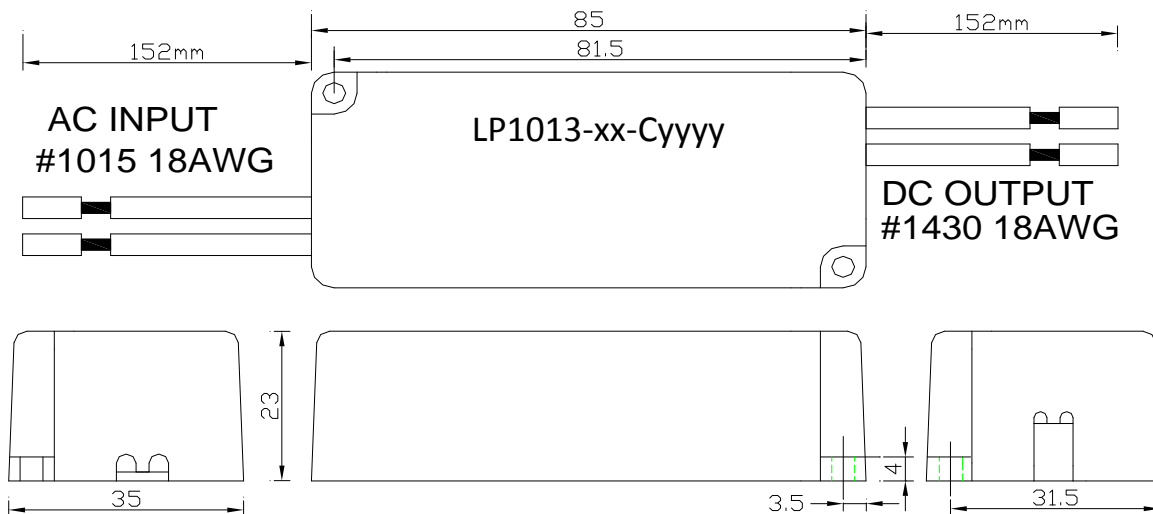


AC Input Range : 100~277Vac / 0.2~0.1A / 47~63Hz	Operating Temp.: -40~+60°C, Tc:90°C (De-rate 2%/°C from 60°C)
Input Inrush Current : <10A/115Vac , <20A/230Vac	Storage Temp. : -40°C ~ +85°C
Power Factor : >0.92 at full load , THD: 20% max.	MTBF(@25°C) : >50,000 Hours, MIL-217F
Efficiency : 84% Typical	Safety Meet : UL8750, Class 2 ,CUL (pending)
DC Output Ripple/Noise p-p : 3%	EMI EN55015 A, EN61347, CE, FCC A, IP66, NEMA4.
Load Regulation : ±3%	Dimension : 85(L), 35(W), 23(H) mm
Protection : OVP, OCP, SCP, OTP - Auto Recovery	Weight : 120 Grams Typical

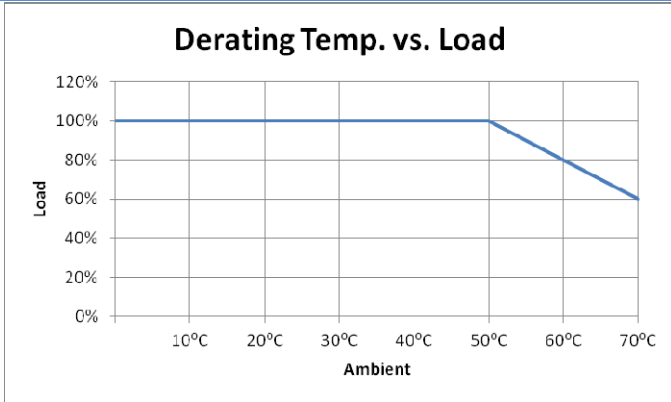
Model Listing :

Model	DC Output Constant Voltage	Output Current Min. Max.	Watts Max.	Model	DC Output(Vf) Forward Voltage	Output Constant Current	Watts Max.
LP1013-12	12V ± 5%	100 - 1000mA	12W	LP1013-12-C1000	8~12V	1000mA ± 5%	12W
LP1013-18	18V ± 5%	70 - 700mA	12.6W	LP1013-18-C0700	9~18V	700mA ± 5%	12.6W
LP1013-24	24V ± 5%	50 - 500mA	12W	LP1013-24-C0500	12~24V	500mA ± 5%	12W
LP1013-36	36V ± 5%	35 - 350mA	12.6W	Lp1013-36-C0350	18~36V	350mA ± 5%	12.6W

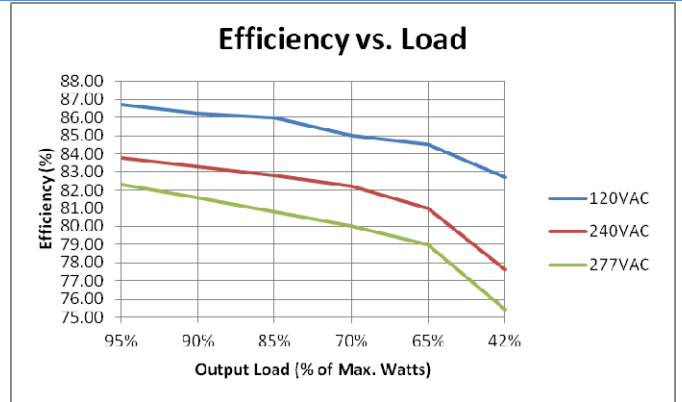
Mechanical :



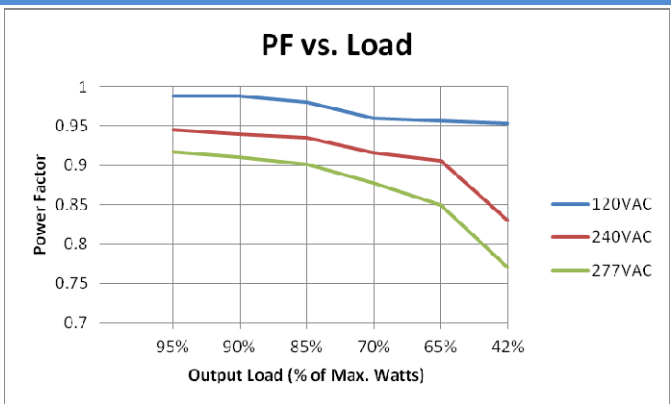
De-rating Temp. vs. Load



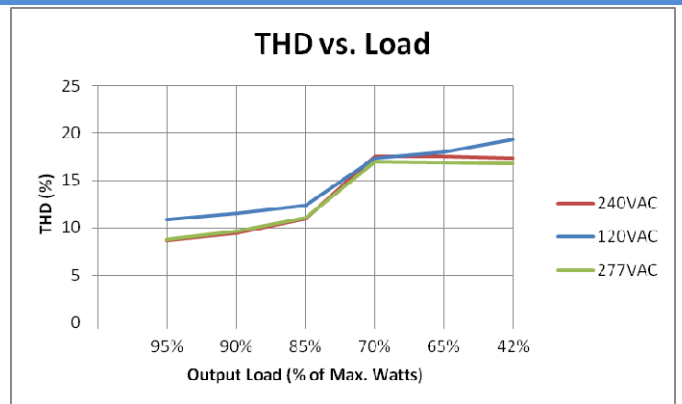
Efficiency vs. Load



Power Factor vs. Load



THD vs. Load



Life Time vs. Ambient Temp.

