

GTICV100035-24V

35W CONSTANT VOLTAGE LED POWER SUPPLY

FEATURES:

- Constant voltage design
- Universal AC input / Full range
- Protections: Short circuit / Over current / Over voltage
- Cooling by free air convection
- Isolation class II
- Class 2 power unit
- Fully encapsulated with IP67 level [5]



SPECIFICATIONS



IP67 SELV

OUTPUT

Rated voltage	15V
Rated current	2.4A
Current range	0 ÷ 2.4A
Rated power	36W
Line regulation	± 1%
Load regulation	± 2%
Tolerance [3]	± 3%
Ripple & noise (max.) [2]	150mV _{p-p}
Setup, rise time [4]	3000ms, 250ms / 115VAC; 5000ms, 250ms / 230VAC at full load
Hold up time	20ms / 230VAC, 24ms / 115VAC at full load

INPUT

Voltage range	90 ÷ 264VAC; 127 ÷ 370VDC
Frequency range	47 ÷ 63Hz
Efficiency (typ.)	82%
Ac current (typ.)	0.75A/115VAC, 0.35A / 230VAC
Inrush current (typ.)	70A / 230VAC, 35A / 115VAC
Leakage current (max.)	0.25mA / 240VAC

PROTECTION

Over current	Range: 105 ÷ 150% rated current Type: hiccup mode, auto-recovery.
Short circuit	Type: hiccup mode, auto-recovery.
Over voltage	Type: hiccup mode, auto-recovery.

WORKING ENVIRONMENT

Working temperature	-20°C ÷ 70°C (Refer to Derating Curve)
Working humidity	20 ÷ 90% RH non-condensing
Storage temperature and humidity	-40°C ÷ 80°C, 10 ÷ 95% RH non-condensing
Temperature coefficient	± 0.03% / °C (0°C ÷ 50°C)
Vibration	10 ÷ 500Hz, 2G, 10min / cycle, period for 60min. each along X, Y, Z axes

SAFETY & EMC REGULATIONS

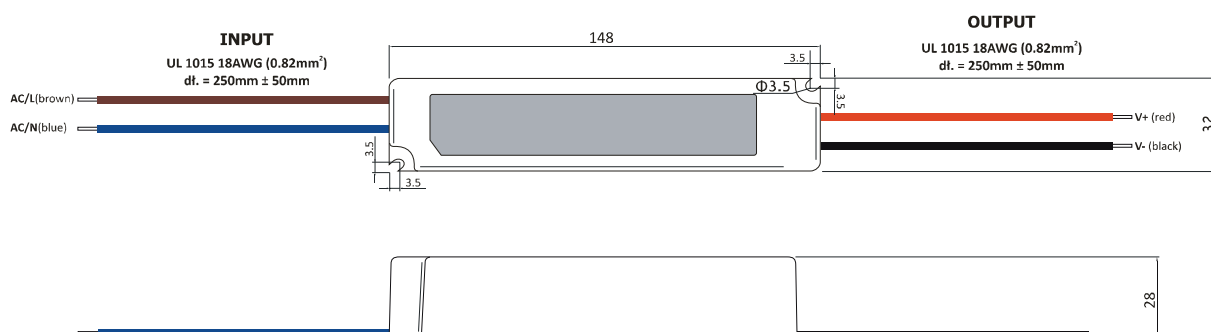
Safety standards	Compliance to EN61347-1, EN61347-2-13, IP67
Withstand voltage	I-P/O-P: 3kVAC
Isolation resistance	I-P/O-P: 100MΩ/500VDC/25°C/70%
Emc emission	Compliance to EN55015
Emc immunity	Compliance to EN61547; EN55024; EN61000-4-2, -3, -4, -5, -6, -8, -11
Harmonic current	Compliance to EN61000-3-3; EN61000-3-2

OTHERS

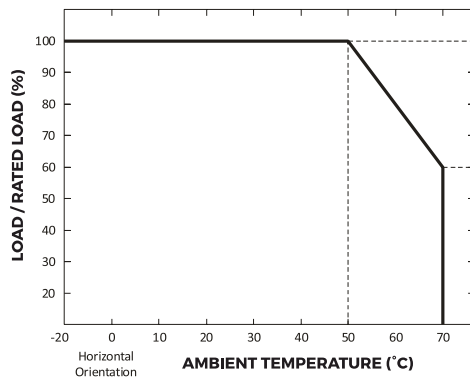
Dimensions	148 x 32 x 28mm (L x W x H)
Weight and packing	0.2kg; 80pcs/ctn; ctn weight and dimensions: 17kg; 34.5 x 24 x 26cm

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Suitable for indoor or outdoor use. Please avoid direct exposure to sunlight and immersion in water for over 30 minutes.
6. Power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment must be re-qualify to comply with EMC Directives.

MECHANICAL SPECIFICATIONS



DERATING CURVE



STATIC CHARACTERISTICS

