

GTICC12-350

12W Constant Current power supply



■ Features:

- Constant current design
- European AC input range
- Protections: Short circuit / Over Temperature
- Cooling by free air convection
- Isolation class II
- Double insulation of Input and output wires
- IP40 Protection level

tc: 90°C
ta: 40°C
CONSTANT CURRENT



◎ ELECTRICAL SPECIFICATION

MODEL	GTICC12-350
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OUTPUT

No Load Voltage (max.)	39V
Rated Current	350mA
Voltage Range	9 ÷ 36V
Rated Power	12.6W
Voltage Ripple & Noise (max.) [2]	120mV _{p-p}
Current Ripple (max.)	70mA _{p-p}
Line Regulation	± 2%
Load Regulation	± 5%
Current Accuracy	± 8%
Setup, Rise Time [3]	400ms, 10ms / 230VAC at full load
Hold up Time (typ.)	20ms / 230VAC at full load

INPUT

Voltage Range	180 ÷ 264VAC; 254 ÷ 370VDC					
Frequency Range	47 ÷ 63Hz					
Efficiency (typ.)	82%					
AC Current (typ.)	0.15A / 230VAC					
Inrush Current (typ.)	21A / 230VAC; T _{WIDTH} (50% peak) = 128- s					
Max. No. Of PSU on Circuit Breaker	B10	B16	C10	C16	D10	D16
	28	45	47	76	60	96
Leakage Current (max.)	0.25mA / 240VAC					

PROTECTIONS

Short Circuit	Type: hiccup mode, auto-recovery.
Over Temperature	140°C±10°C(detect on main control IC)
	Type: shut off output voltage. Re-power on to recovery.

WORKING ENVIRONMENT

Table with 2 columns: Parameter (Working Temperature, Working Humidity, Storage Temperature and Humidity) and Value (-10°C ÷ 70°C, 20 ÷ 90% RH, -30°C ÷ 80°C).

SAFETY and EMC REGULATIONS

Table with 2 columns: Standard (Safety Standards, Withstand Voltage, Isolation Resistance, EMC Emission, EMC Immunity, Harmonic Current) and Compliance (to EN 61347-1, 3kVAC, 100MΩ/500VDC, EN55015, EN61547, EN61000-3-3).

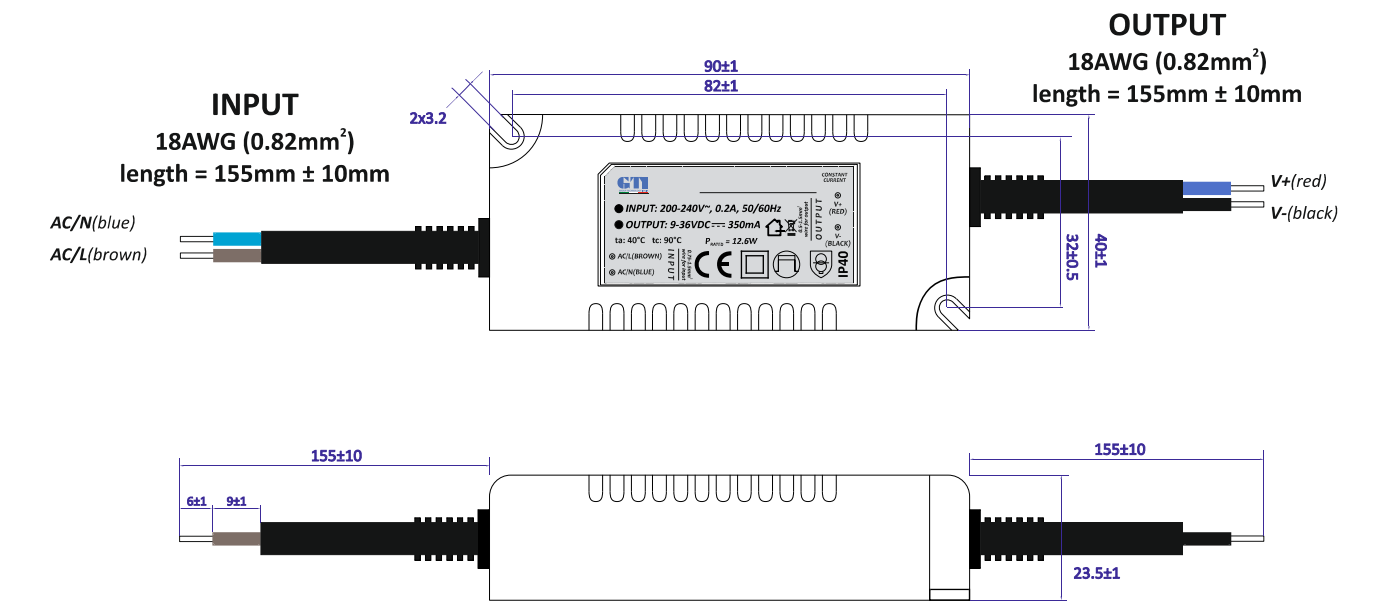
OTHERS

Table with 2 columns: Dimension (DIMENSIONS, Weight and Packing) and Value (90 x 40 x 23.5mm, 88g; 150pcs./ctn).

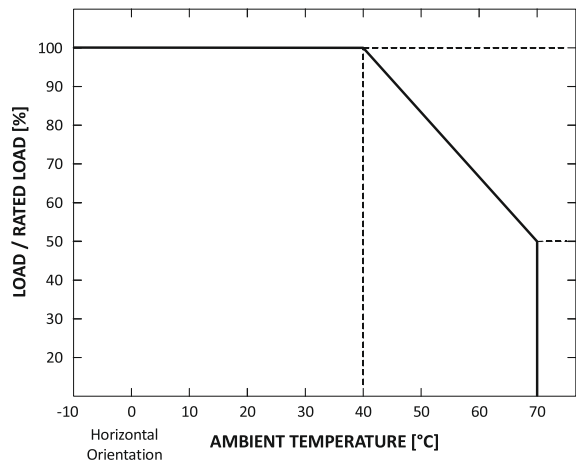
EAN Code

- 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. Setup and rise time is measured from 0 to 90% rated output voltage.
- 4. Power supply is considered as component not indented to apply by end-user.

MECHANICAL SPECIFICATION



DERATING CURVE



STATIC CHARACTERISTIC

