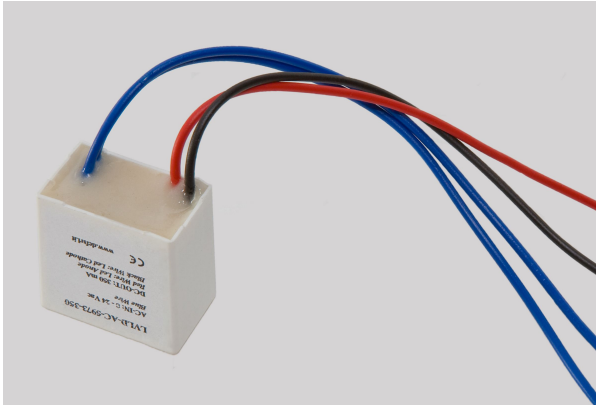


DATASHEET



LVLD-AC5973 350/700mA LED DRIVER



- Small and efficient constant current power led driver
- 350/700 mA output current option available
- Wide input voltage range AC/DC from 8 to 24 Vac
- High Efficiency beyond 75% at room temperature.
- Ruggedised design for harsh environment
- Epoxy resin encapsulation
- Thermal shut-down & Current limit protection
- Connection cable with end ferrules

INPUT SPECIFICATIONS

Input Voltage Range (Vin)	Vac	8 – 24
Input Voltage Range (Vin)	Vdc	12 – 36
Frequency (f)	Hz	0 – 60
Maximum Power Consumption (Pin) (see note 1)	W	20
Typical Efficiency (E) (see note 1)	%	> 75
Insulation		Not Isolated

OUTPUT SPECIFICATIONS

Power Output Range (Pout)	W	2 – 15
Output Current (Io)	mA	350/700
Output Voltage Range (Vo)	Vdc	5 – 34
Open Circuit Voltage (Voc)	Vdc	40
Ripple Voltage (Vr)	V p-p	50

Note1: Power consumption and efficiency depend upon input voltage and output load.

COMMUNICATION SPECIFICATIONS

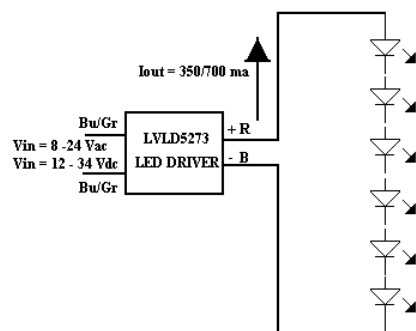
Data interface	N.A.
Dimming Signal	N.A.

ENVIRONMENTAL SPECIFICATIONS

Operating Ambient Temp.(Top)	°C	-10+ 50
Storage Amb. Temp. (Tst)	°C	-20+ 90
Max. Case Temperature (Tc) @ 24°C	°C	+65
Relative Humidity (RH)	%	80
MTBF at 24 °C	Hrs	40.000

WIRING DIAGRAM AND CONNECTIONS

Power LED must be wired in series connection to the constant current LVLD-AC5973 Led driver



Bu = Blue
Gr = Grey
R = Red
B = Black

Input wire colours Bu: 350mA version
Input wire colour Gr: 700mA version
Output wire colour R: Led anode (+)
Output wire colour B: Led cathode (-)

OUTLINE DIMENSIONS (mm)

32 x 32 x 18 (W x L X H)

DRIVER LIFE

D.E.F Srl led driver products are designed and manufactured with high quality state-of-the-art electronic components. Life projection is based on constant current 700 mA operation with environmental temperature maintained at or below 24°C. DEF electronic drivers are expertly engineered to optimize LED life when used under normal operating conditions (ambient temperature: -20° C to 50° C, humidity: 0-95% non-condensing humidity, adequate ventilation and air volume]. Long-term operation outside of these

ranges or conditions, or at the upper limits of these ranges or conditions, may subject the product to further degradation of performance and life, or in extreme cases, failure of internal components.

Lifetime for solid state components is typically defined in terms of MTBF. DEF projects are expected to have a MTBF of 40,000 hours. This performance is based on independent test data, DEF historical data from tests run on similar material systems, and internal DEF reliability testing.

Costruzione – Construction

White ABS housing (potted) dimension (W x L x H)	mm	32 x 32 x 18
Sealant - UL94	-	PG92 + PGI 650 additive
Primary connection leads cross section with end ferrule 350 mA version	mm ²	0,75blue colored
Primary connection leads cross section with end ferrule 700 mA version	mm ²	0,75grey colored
Anode (+)output wiring lead cross section with end ferrule	mm ²	0,50 red colored
Cathode (-) output wiring lead cross section with end ferrule	mm ²	0,50 black colored
Connection leads standard length	mm	150
Weight	g	35

Codici di ordinazione – Ordering Code

180.10.0000 Driver LVLD-AC5973-350 Vin 8-24 output 350mA constant current
180.10.0002 Driver LVLD-AC5973-700 Vin 8-24 output 700mA constant current

Garanzia - Warranty

La famiglia LVLD-AC5973 è venduta con 2 anni di garanzia alle condizioni "return-to-base" come descritto nelle condizioni generali standard di fornitura alle quali si rimanda per maggiori dettagli.

LVLD-AC5973 family is sold with 2 years warranty according to D.E.F. Srl standard terms of sale.

Note - Notes

Data sheet 04/08-CS-LVLD-AC5973. DEF srl si riserva il diritto di modificare i dati tecnici senza preventive comunicazioni
Data sheet 04/08-CS-LVLD-AC5973. We reserve the right to make technical changes without prior notice.