

DC-DC Converter Constant Current LED Driver

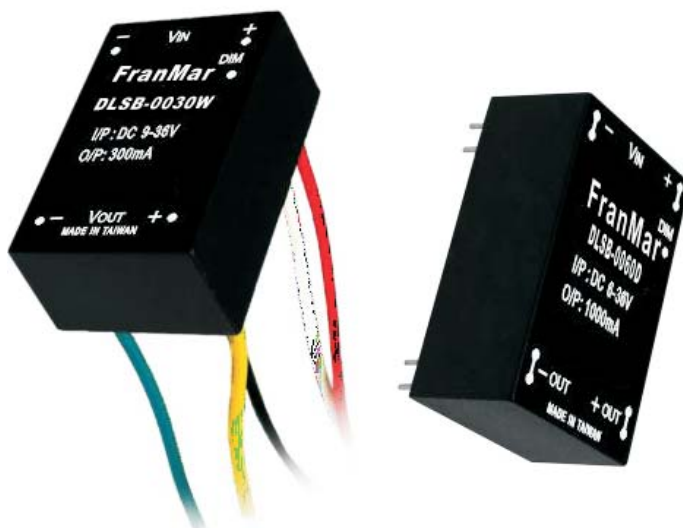
FEATURES

- EFFICIENCY UP TO 90%
- WIDE INPUT AND OUTPUT VOLTAGE RANGE
- INPUT VOLTAGE UP TO 36V
- PWM DIMMING CONTROL
- SHORT CIRCUIT AND OVER TEMPERATURE PROTECTED
- INTERNAL SMD TECHNOLOGY
- FULLY ISOLATED NON CONDUCTIVE PLASTIC CASE WITH IP67 LEVEL
- UL 94V-0 PACKAGE MATERIAL
- RoHS COMPLIANT
- 3 YEARS WARRANTY

SPECIFICATIONS

Input Voltage	9~36VDC
Input Filter	Capacitor
Output Current Accuracy/Stability	±6%/±8% max
Operating Frequency	1000KHz Max
Short Circuit Protection	Continuous
Operating Temperature	-40°C to +71°C for 300mA/350mA model -40°C to +65°C for 500mA/600mA model
Storage Temperature	-55°C to +125°C
Over temperature Protection	Shutdown when Temperature Rasing to 150°C Auto-restart after cool down when Temperature Falling 125°C
Maximum Case Temperature	115°C
Case Size	31.8x20.3x12.2mm
Weight	15.6g for package D/18g for package W
EMI Radiated Emissions	EN55015

All specifications are typical at nominal line, full load and 25°C;
unless otherwise noted.



Model Number	INPUT VOLTAGE RANGE (VDC)	OUTPUT VOLTAGE RANGE (VDC)	OUTPUT CURRENT RANGE (mA)	EFF (%) Typ.)
DLSE-0030xyN	9-36	2-40	0-300	90
DLSE-0035xyN	9-36	2-40	0-350	90
DLSE-0050xyN	9-30	2-32	0-500	90
DLSE-0060xyN	9-28	2-30	0-600	90

Note: Nominal Input voltage 12V ; Nominal Output voltage 24V

Ordering Information:

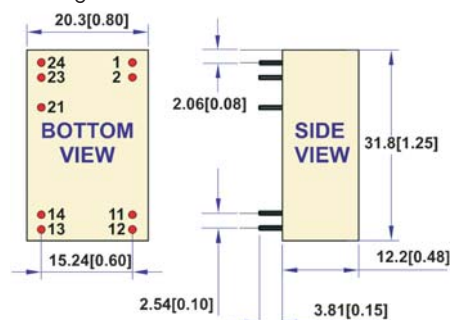
x : Package style

x = D (pins) ; x = W (wired)

Suffix "y" = blank or A~Z for market purpose

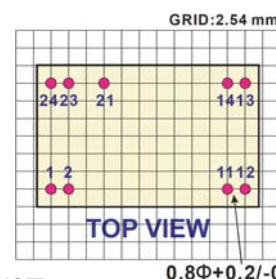
MECHANICAL DRAWING (Unit: mm)

Package D



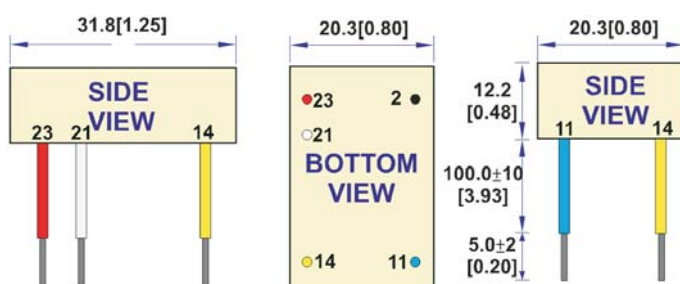
All dimensions are in mm[inches]

PINOUT		COMMENT
1 & 2	-Vin	Don't connect to -Vout
11 & 12	-Vout	LED - Connection
13 & 14	+Vout	LED + Connection
21	PWM DIM	ON/OFF/PWM Dimming Leave open if not used
23 & 24	+Vin	DC Supply



NOTE :
Pin Size is Tolerance 0.60Φ ±0.05mm
All dimensions are in mm [inches]
Tolerance .X or .XX= ±0.5mm

Package W



All dimensions are in mm[inches]

PINOUT		COMMENT
2 (Black)	-Vin	Don't connect to -Vout
11 (Blue)	-Vout	LED - Connection
14 (Yellow)	+Vout	LED + Connection
21 (White)	PWM DIM	ON/OFF/PWM Dimming Leave open if not used
23 (Red)	+Vin	DC Supply

NOTE :
All dimensions are in mm [inches]
1. Case Tolerance .x or .xx ±0.5mm
2. Wire outside diameter = 1.6mm ±0.1
3. Wire core diameter = 0.75mm ±0.1
4. Wire is UL 3385/CAS TEM listed
#22AWG /300V /105°C Rated