

DC-DC Converter Constant Current LED Driver

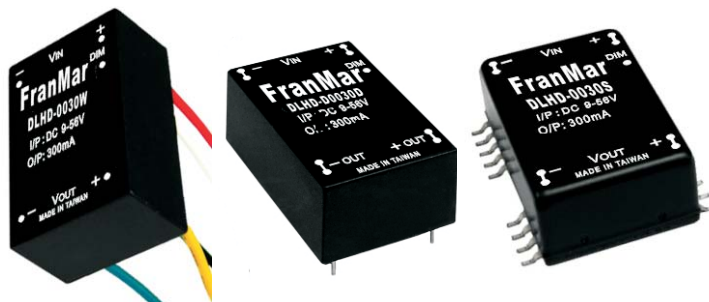
FEATURES

- EFFICIENCY UP TO 97%
- WIDE INPUT AND OUTPUT VOLTAGE RANGE
- INPUT VOLTAGE UP TO 60V
- PWM DIMMING CONTROL
- SHORT CIRCUIT AND OVER TEMPERATURE PROTECTED
- INTERNAL SMD TECHNOLOGY
- FULLY ISOLATED PLASTIC CASE WITH IP67 LEVEL
- UL 94V-0 PACKAGE MATERIAL
- RoHS COMPLIANT
- 5 YEARS WARRANTY

SPECIFICATIONS

Input Voltage	9~60VDC
Input Filter	Capacitor
Output Current Accuracy/Stability	±6% max
Output Frequency	40~1000KHz
Short Circuit Protection	Continuous
Operating Temperature	-40°C to +85°C for 250~500mA model -40°C to +71°C for 600mA~1000mA model
Storage Temperature	-55°C to +125°C
Over temperature Protection	Shutdown when Internal IC Temperature at 150°C Auto-restart after cool down to 20°C
Maximum Case Temperature	100°C
Case Size	31.8x20.3x12.2mm(D/W)/31.8x20.3x10.9mm(S)
Weight	15.6g(D)/18g(W)/12.8g(S)
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.)
DLHD-0025xy	9-60	2-52	0-250	97
DLHD-0030xy	9-60	2-52	0-300	97
DLHD-0035xy	9-60	2-52	0-350	97
DLHD-0050xy	9-60	2-52	0-500	97
DLHD-0060xy	9-60	2-52	0-600	97
DLHD-0070xy	9-60	2-52	0-700	97
DLHD-0090xy	9-60	2-52	0-900	97
DLHD-0100xy	9-60	2-52	0-1000	97

Ordering Information:

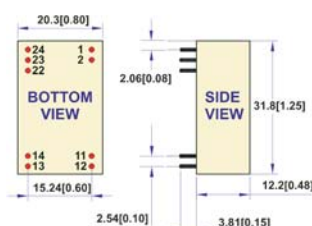
x : Package style

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

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

MECHANICAL DRAWING (Unit: mm)

Package D

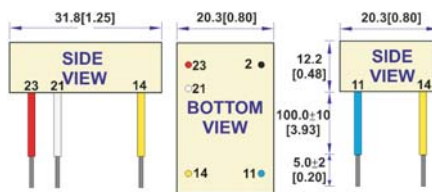


All dimensions are in mm[inches]

PINOUT	COMMENT
1 & 2	-Vin Don't connect to -Vout
11 & 12	-Vout LED - Connection
13 & 14	+Vout LED + Connection
22	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

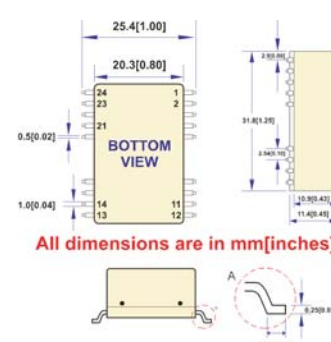


All dimensions are in mm[inches]

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

Package S



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 :
All dimensions are in mm [inches]
Tolerance .X or .XX = ±0.5mm