

CC2512 LED Driver

High Power Constant Current LED Driver

Total Power	44 Watts max.
Input Voltages	10 ~ 36VDC
Number of Outputs	One

Product Specifications

ANZ#: Z145e, March 17, 2008

SPECIAL FEATURES

- Compact size maximizes design flexibility.
- 2.05" x 1.38" x 0.9" (LxWxH)
- IP66 compliant, suitable for damp and dry locations
- High efficiency reduce total power consumption
- Wide range of input from 10 - 36VDC
- Wide selection of pre-adjusted C/C outputs

ENVIRONMENTAL

Operating temperature:	-40 to +50 °C
Storage temperature:	-40 to +85 °C
Humidity (Non-Condensing):	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 50 Hz
MTBF:	>100,000 Hours at full load and 25°C ambient conditions (MIL-217F)



SPECIFICATIONS :

Input Range : 10~36Vdc , detail input vs. output see table below	Dimming Current Draw : less than 2mA
DC Output Range : Refer to Model selection table	Operation Temp. : -40°C ~ +50°C , Tc : 70 °C
Efficiency : 85% Typical	Storage Temp. : -40°C ~ +85°C
Output Current Regulation : ±5%	MTBF(@25°C) : >100,000 Hours, MIL-217F
Protection : SCP - Auto Recovery	Safety Compliance: FCC A, IP66 , NEMA4
Active Dimming CTL – up to max. of 6pcs x CC2512Hn	Weight : 80 Grams Typical

Model : CC2512Xn-cccc (CC2512H1-350 ,CC2512H1-700 ,CC2512H1-1000,-2000)

DC Input Voltage	DC output working Voltage	Output Constant Current	Watts Max.	DC Input Voltage	DC output working Voltage	Output Constant Current	Watts Max.
12Vdc	5 ~ 10.5V	350mA	3.7W	20Vdc	5 ~ 17.5V	700mA	12.2W
15Vdc	5 ~ 13V	350mA	4.5W	12Vdc	5 ~ 8V	1~2A	16W
20Vdc	5 ~ 18V	350mA	6.3W	15Vdc	5 ~ 11V	1~2A	22W
12Vdc	5 ~ 10V	700mA	7W	20Vdc	5 ~ 16V	1~2A	32W
15Vdc	5 ~ 12.5V	700mA	8.7W				

Model : CC2512Xn-cccc (CC2512H2-350 ,CC2512H2-700 ,CC2512H2-1000,-2000)

DC Input Voltage	DC output working Voltage	Output Constant Current	Watts Max.	DC Input Voltage	DC output working Voltage	Output Constant Current	Watts Max.
20Vdc	5 ~ 18V	350mA	6.3W	30Vdc	5 ~ 26.5V	700mA	18.5W
24Vdc	5 ~ 22V	350mA	7.7W	20Vdc	5 ~ 16V	1~2A	34W
30Vdc	5 ~ 27V	350mA	9.5W	24Vdc	5 ~ 20V	1~2A	40W
20Vdc	5 ~ 17.5V	700mA	12.2W	30Vdc	5 ~ 26V	1~1.7A	44W
24Vdc	5 ~ 21.5V	700mA	15W				

Model : CC2512Xn-cccc (CC2512H3-350 ,CC2512H3-700,CC2512H3-1400)

DC Input Voltage	DC output working Voltage	Output Constant Current	Watts Max.	DC Input Voltage	DC output working Voltage	Output Constant Current	Watts Max.
32Vdc	5 ~ 28.5V	700mA	20W	32Vdc	5 ~ 27V	1.0~1.4A	37.8W
36Vdc	5 ~ 32V	700mA	22.4W	36Vdc	5 ~ 31V	1.0~1.4A	43W

Model Information :

CC2512Hn-cccc (Single DC Output)

cccc = 350- 350mA ,700-700mA,..... 2000mA
Constant Current Output

n = Input Voltage Range: 1 – 12~20 Vdc Input ; **2** – 20~30Vdc Input ; **3** – 30~ 36Vdc Input Limit

Mechanical Drawing :

Case Material:LN-1250G, V - 0, rated 115 deg C,
manufacturer Teijin Chemicals Ltd. UL no:E195100

