



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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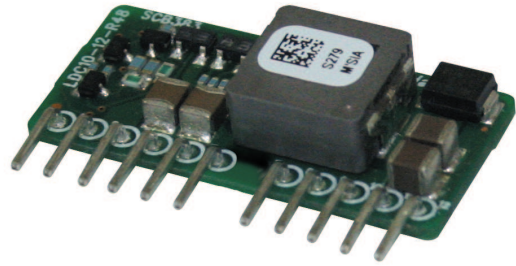
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



10W Programmable DC Input LED Driver

Features

- ◆ 0 - 480mA current programming range
- ◆ PWM or Logic programming / dimming
- ◆ Wide 4.5 to 20VDC input range
- ◆ Non Isolated
- ◆ Wide temperature range



Key Market Segments & Applications



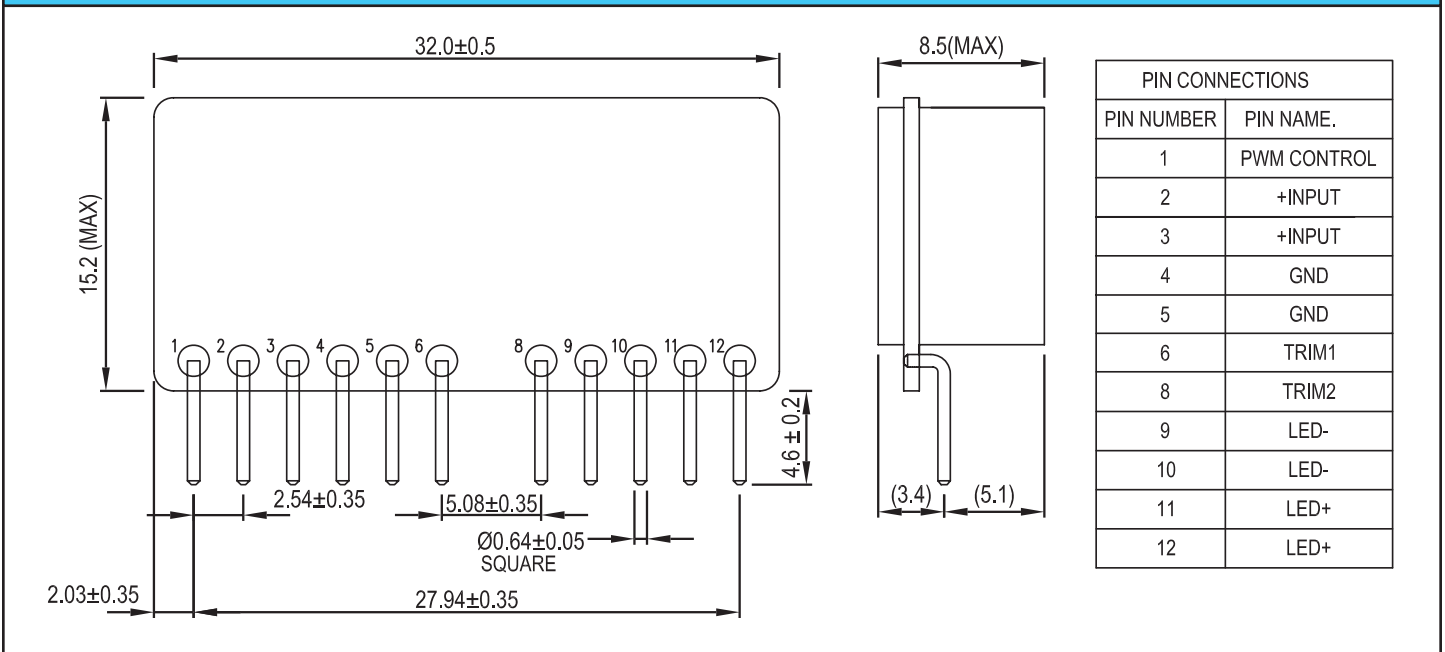
Specifications		
Model	LEDC10-12-R48	
DC Input	VDC	4.5 - 20V, nominal 12V
Input Current (Nominal Input Volt.)	mA	920mA full load, 7mA off load
Temperature Coefficient	-	<0.02%/°C
Ripple and Noise	mV	150mV (peak to peak)
Overcurrent Protection	-	Yes, indefinite. Auto recovery
Overvoltage Protection	VDC	26 - 30V (clamp)
Turn on time	ms	< 100ms
Output current rise and fall times	us	3us
Maximum capacitive load	nF	100nF
Efficiency	%	87% typical at full load, nominal input
Operating Temperature	-	-40 to +85°C (Full load)
Storage Temperature	°C	-40 to +125°C
Operating Humidity (1)	-	5 - 95% RH
Storage Humidity (1)	-	5 - 95% RH
Cooling	-	Convection
Input to Output Isolation	-	None
Vibration (non operating)	-	10 - 55Hz: 19.6m/s ² constant sweep 1 min X, Y, Z for 30 mins
Shock (In shipping package)	-	< 196.1 m/s ² (20G)
Weight (Typ)	g	6
Size (LxWxH)	in(mm)	1.26 x 0.33 x 0.6" (32 x 8.5 x 15.2mm)
Warranty	yrs	Three Years

(1) Non condensing

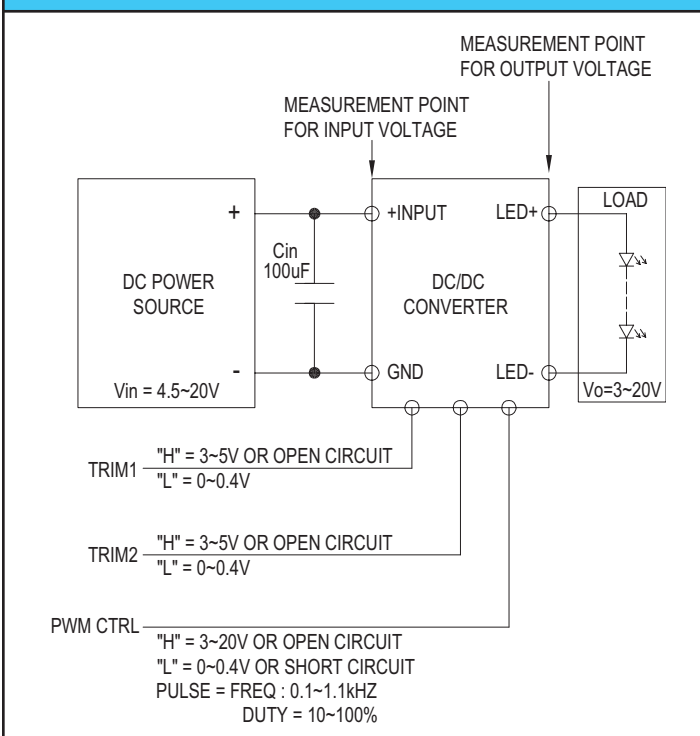
Model Selector

Model	CV/CC	Output Voltage (V)	Input Voltage (V)	Output Accuracy	Output Current (A)	Maximum Output Power (W)
LEDC10-12-R48	CC	3 - 20VDC	4.5 - 9VDC	±5% (±10% for 50mA programming)	0.35A	7W
			9 - 20VDC		0.48A	9.6W

Outline Drawing



Basic Connection



Output Current Setting

Logic	Output current	Trim 1 logic level	Trim 2 logic level
	50mA	0	0
	150mA	0	1
	350mA	1	0
	480mA	1	1

Logic "0" = 0 - 0.4V
Logic "1" = 3 - 5V or open

PWM Control	
Duty cycle	10 - 100%
Frequency	0.1 - 1.1kHz
"On" voltage range	3 - 20V or open
"Off" voltage range	0 - 0.4V or short to GND

(Leave open if PWM is not used)

For Additional Information, please visit us.tdk-lambda.com/lp/products/led10-series.htm

