



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!



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Features

LED DRIVER

- High Output Voltage
- Universal AC Input
- Constant Current Operation
- Active Power Factor Correction
- IP67 Design for Indoor and Outdoor Use
- Compact Size

LIGHTLINE
AC/DC-Converter
with 5 year Warranty

RECOM

100 Watt Single Output



UL 8750 Pending
EN 61347 Certified

RACD100

(High Voltage)

Selection Guide

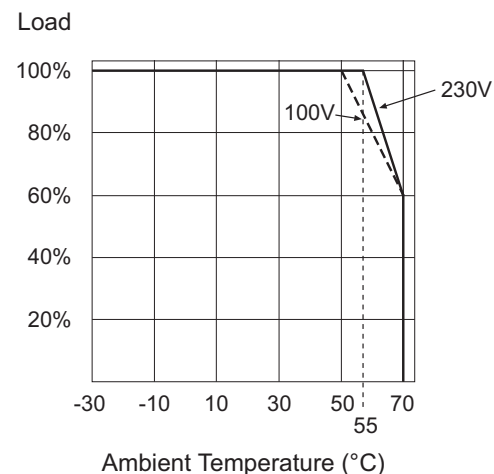
Part	Nominal Voltage (VAC)	Rated Voltage (V)	Constant Current Range (V)	Rated Number Current (mA)	Efficiency (%)
RACD100-700*	100-277	142	100-142	700	91
RACD100-1400*	100-277	71	50-71	1400	91

*add suffix „A“ for PWM/DC 0-10V Dimming

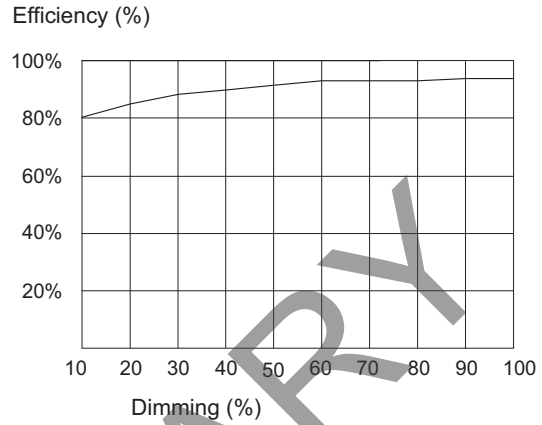
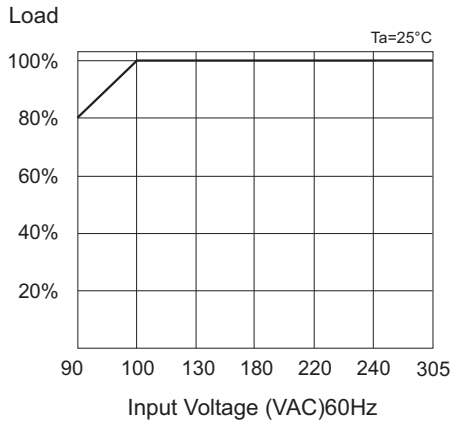
Specifications

Input Voltage Range	90-305 VAC or 127-430VDC	
Input Frequency Range	47-63Hz.	
Power Factor	Full Load, 120VAC	>0.98
	Full Load, 240VAC	>0.94
	70% Load	>0.90
AC Current	120VAC	1.2A max.
	240VAC	0.6A max.
Input/Output Isolation	3.75kVAC	
Input/Case Isolation	1.8kVAC	
Output/Case Isolation	0.5kVAC	
Leakage Current	230VAC	<0.75mA
Inrush Current	240VAC	50A
Voltage Tolerance	-1% to 5%	
Current Tolerance	±5%	
Set up Time (@ Full Load)	240VAC	2s
Ripple & Noise (@20MHz bandwidth)	142V Version	1000mV max.
	71V Version	500mV max.
Over Voltage	110 - 140% Rated Voltage	Shutdown Mode
Short Circuit Protection	Hiccup Mode	
Over Temperature Protection	100°C ±10°C	
Operation Temperature	(Refer to Output Load Derating Curve) -30°C to +55°C	
Operation Humidity	20%-90% RH Non-Condensing	
Storage Temperature	-40°C to +80°C	
Storage Humidity	10%-95% RH	
Vibration	2G 10min/1Cycle, Period for 60 min 10-500Hz	
IP Rating	IP67	
Safety Standards	UL/cUL LED Lighting Safety (Pending)	UL8750
	CE LVD Directive, Safety	EN61347-2-13
EMC Standards	EMC Compatibility	EN55015
	Harmonic Current	FCC, Part 15 EN61000-3-2 Class C EN61000-3-3
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 11 EN61547
Dimension	177*57*37mm	
Weight	750g	
MTBF	using MIL-HDBK-217F (25°C)	200 x 10 ³ hours

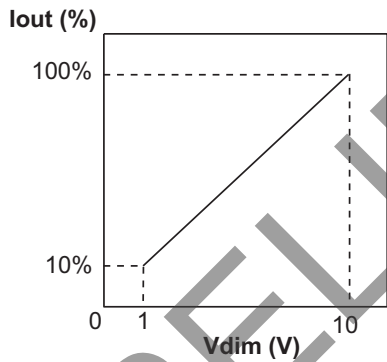
Derating Graph



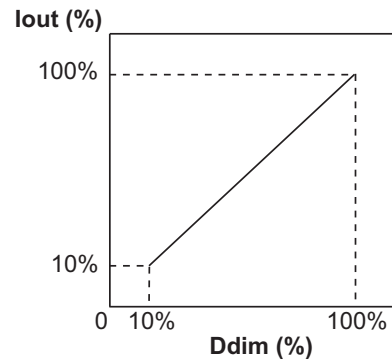
Derating Curve



DC Voltage Dimming Curve



PWM Dimming Curve



Note: If need to control two or more drivers, please use a potentiometer

Pule: Hi = 10V, Low = 0V
Frequency: 500 - 3KHz

Package Style and Pinning

