



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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World wide input, and built in PFC

AC input, and isolated High-power LED Driver for Illumination

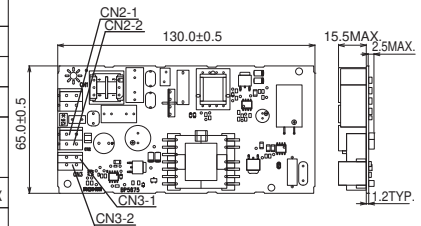
BP5875

Absolute Maximum Ratings

(Ta=25°C)

Parameter	Symbol	Limits	Unit	Conditions
Input voltage	V_i	264	V	AC
Output voltage(limits)	P_o	91.2	V	$I_o=300mA$
Maximum input current	I_{ac}	1	Arms	AC
Withstand voltage				
Maximum surface temperature	T_{cmax}	105	°C	Ambient temperature + the module self-heating $\leq T_{cmax}$
Operating temperature range	T_{opr}	-20 to +65	°C	Refer to derating curve
Storage temperature range	T_{stg}	-20 to +85	°C	
Analogue light adjustment voltage	VDIM	6	V	

Dimensions (Unit : mm)



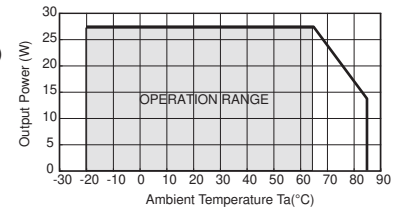
Electrical Characteristics

(Unless otherwise noted, $V_i=AC80$ to $264V$, $V_o=91.2V$, $T_a=25^\circ C$)

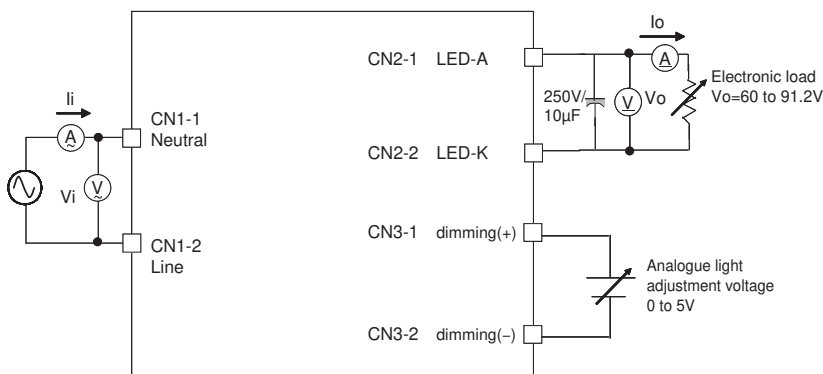
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Input voltage range	V_i	80	100	264	VAC	50/60Hz (47 to 63Hz)
Input power factor	θ	0.90	0.95	-	-	$V_i=AC100V, 200V$
Output voltage range	V_o	60	-	91.2	V	$I_o=300mA$
Output current	I_o	270	300	330	mA	
Output current	I_o	-	-	30	mA	$V_i=AC100V, V_o=75V$ Analogue light adjustment voltage=DC5V
Output opening voltage	V_{open}	-	-	125	V	$I_o=0mA$

* Maximum output current varies depending on ambient temperature. Refer to the derating curve.

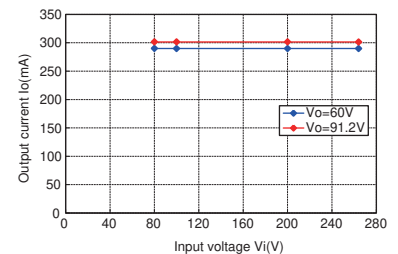
Derating Curve



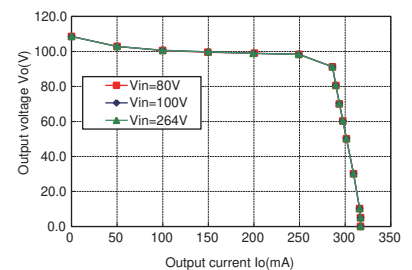
Test circuit



Line Regulation



Load Regulation



Notes

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