

Constant Current Output Non-stroboscopic LED Driver

FEATURES

- High Efficiency
- Constant Output Current
- For Non-stroboscopic Illumination
- Waterproof (IP20)
- Protection: OVP, SCP



IP20



9W - 18W DDC SERIES SPECIFICATIONS

Model	Output Current (±5%) (mA)	Output Voltage (V)	Efficiency		PF		No Load Output Voltage (±5%) (V)	Ripple & Noise (V)
			110V Input	220V Input	110V Input	220V Input		
DDC009-0350SN	350	15 ~ 26	83.0%	86.0%	0.83	0.87	32	0.4
DDC009-0600SN	600	9 ~ 15	80.2%	82.5%	0.86	0.88	18	0.5
DDC015-0330SN	330	27 ~ 46	85.5%	88.2%	0.89	0.86	48	1.7
DDC018-0600SN	600	18 ~ 30	83.0%	86.0%	0.83	0.87	36	0.4

- NOTE:**
1. All specifications are typical at 25°C unless otherwise stated.
 2. The “Efficiency” & “PF” values are measured at full load, after the unit is thermally stabilized, otherwise they will be lower about 1%.
 3. The “Ripple & Noise” values are measured by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.

ELECTRICAL SPECIFICATIONS

	Parameter	Values	Conditions
INPUT	AC Voltage	90~264 Vac	Operating Voltage
	Frequency Range	47~63 Hz	
	AC Current (110V input)	0.20 A max	Full load
	AC Current (220V input)	0.10 A max	
	Inrush Current	24 A	Cold start, Vin=230V
	Leakage Current	0.35 mA	Vin=264V, 50Hz
OUTPUT	Top Output Power	18 W	
	Set-up Delay Time	<1 s	

	Line Regulation	5%	
	Load Regulation	5%	
PROTECT	Over Voltage Protect	1.2Vo	±5% floating deviation
		Hiccup mode. The power supply shall return to normal operation only after the power is turn-on again.	
	Short Circuit Protect	No damage shall occur when any output operating in a short circuit condition. The power supply shall be self-recovery when the fault condition is removed.	
	Over Temperature Protect	110°C	

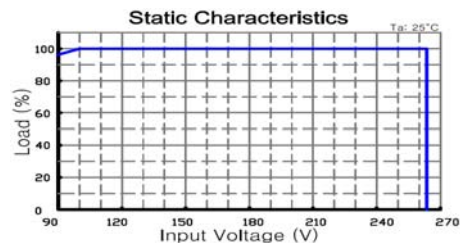
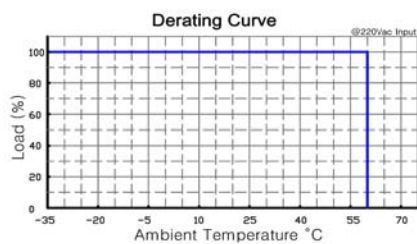
NOTE: 1. All specifications except “OTP” are measured at 25°C.

PRODUCTS INFORMATION

Parameter	Values
Working Temp., Humidity	-35°C ~ +60°C; 10 ~ 100% RH non-condensing
Storage Temp., Humidity	-40°C ~ +85°C; 5 ~ 100% RH
MTBF	450,000 hours
Life Time	80,000 hours
Dimension (L*W*H)	2.52(3.35)*1.30*0.98 inch
	64.0(85.0)*33.0*25.0 mm
Net Weight	95 g

APPLICATION NOTES

I DERATING CHARACTER



MECHANICAL SPECIFICATIONS

