

# Constant Current Output Non-stroboscopic LED Driver

## FEATURES

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



IP20

ROHS

## 20W - 40W 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		
DDC020-0600SN	600	20 ~ 33	85.0%	87.2%	0.85	0.86	40	1.6
DDC024-0600SN	600	24 ~ 40	85.2%	87.5%	0.86	0.87	48	1.7
DDC030-0600SN	600	30 ~ 50	86.4%	88.2%	0.91	0.90	56	2.3
DDC035-0700SN	700	30 ~ 50	86.0%	88.0%	0.90	0.91	60	2.5
DDC040-0600SN	600	40 ~ 67	87.0%	89.0%	0.90	0.91	76	3.4

- 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)	0.42 A max	Full load
	AC Current (220V input)	0.21 A max	
	Inrush Current	24 A	Cold start, Vin=230V
	Leakage Current	0.35 mA	Vin=264V, 50Hz
OUTPUT	Top Output Power	40 W	

	<b>Set-up Delay Time</b>	<1 s	
	<b>Line Regulation</b>	5%	
	<b>Load Regulation</b>	5%	
<b>PROTECT</b>	<b>Over Voltage Protect</b>	1.2Vo	±5% floating deviation
	<b>Short Circuit Protect</b>	Hiccup mode. The power supply shall return to normal operation only after the power is turn-on again. 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.	

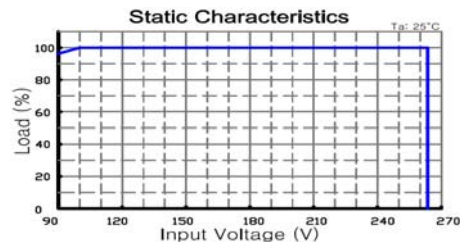
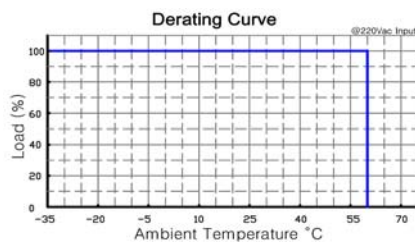
**NOTE:** 1. All specifications except “OTP” are measured at 25°C.

## PRODUCTS INFORMATION

Parameter	Values
<b>Working Temp., Humidity</b>	-35°C ~ +60°C; 10 ~ 100% RH non-condensing
<b>Storage Temp., Humidity</b>	-40°C ~ +85°C; 5 ~ 100% RH
<b>MTBF</b>	450,000 hours
<b>Life Time</b>	80,000 hours
<b>Dimension (L*W*H)</b>	4.43(5.14)*1.81*1.34 inch
	112.5(130.5)*46.0*34.0 mm
<b>Net Weight</b>	190 g

## APPLICATION NOTES

### I DERATING CHARACTER



## MECHANICAL SPECIFICATIONS

