

■ Features

- Input: 10-24Vdc
- Protections: Short circuit/Overload/Over temperature
- O/P: High accuracy, low noise; hold up time  $\geq 20\text{mS}$
- Cooling by free air convection; Auto recovery
- Operation temperature:  $0^{\circ}\text{C}+40^{\circ}\text{C}$
- 100% full load burn-in test for 4 hours
- High efficiency, high reliability
- Built-in Blass B EMI filter
- Long life of 50,000 hours
- 1-year warranty
- Compliance to IEC60950



■ Application

- Car Charger

■ Model List

Model	Output Voltage	Output Current	Power
DCC015-S060-7	6V	2.5A	15W

■ Technical Data

DC Voltage	6V
Rated Current	2.5A
Current Range	0-2.5A
Rated Power	15W
Ripple and Noise	100mVp-p
Line Regulation	$\pm 2\%$
Voltage Tolerance	$\pm 5\%$
Setup Time	1000ms@12Vdc
Rise Time	50ms@12Vdc
Hold-up Time	20ms@12Vdc
Voltage Range	10-24Vdc
Efficiency(Typ.)	83%
Input Currencty	1.5A/12Vdc
Leakage Current(Max)	0.75mA/12Vdc
Energy Consumption	The Consumptions should be less than 0.5 Watt at normal input
Input Plug type	Cigarette lighter
Working Temp.	$0^{\circ}\text{C}+40^{\circ}\text{C}$
Working humidity	20%-90% RH non-condensing

■ **Technical Data(cont.)**

Storage Temp. Humidity	-25°C-+80°C, 10%-95% RH
Temp. Coefficient	±0.03%/°C, 10%-95%RH
Vibration	10-500Hz, 2G 10min./1cycle, period for 60 min. each along X,Y,Z axes
Dimension	109*38*19mm (L*W*H)
Output cord	1.5M, DC jack 5.5*2.1*10mm Center +, Straight Plug

**Notes:**

1. All parameters are specified at 12Vdc input, rated load 25°C 70% RH ambient
2. Ripple and noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47uF capacitor
3. Tolerance: includes set up tolerance, line regulation and load regulation
4. Line regulation is measured from low line to high line from the rated load
5. The over temperature protection is the built in function of the control IC