

HiTRON

DC/DC CONVERTER PLUG-IN CAR ADAPTER SINGLE OUTPUT 15 WATTS POWER SUPPLIES MODEL NO. HCD15 SERIES



FEATURES:

- **CIGARETTE-LIGHTER SOCKET PLUG-IN CAR ADAPTOR**
- **COMPACT & IMPACT RESISTANT THERMOPLASTIC ENCLOSURE**
- **HIGH EFFICIENCY BUCK CONVERTER**
- **NOISE & RIPPLE LESS THAN 1% Pk.-Pk.**

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Nominal 12Vdc.
Input Voltage Range: 9-18Vdc.
Input Connector: Car cigaret lighter plug.
Input Frequency: DC only.
Dielectric Withstand: Non-isolation.
OVP: Non.
Overload Protection: Non.

OUTPUT SPECIFICATION

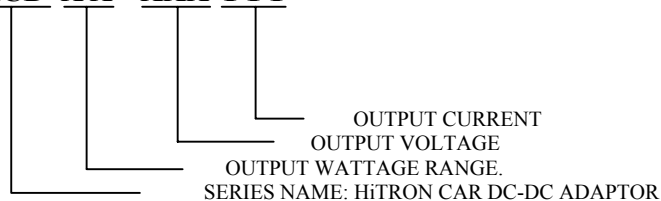
Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: 15 Watts typical.
Output Connector: Optional.
Output Indicator: Green LED.
Line Regulation: 0.1% typical.
Load Regulation: ±1.0% typical.
Noise & Ripple: 1.0 % typical peak to peak.

GENERAL SPECIFICATION

Efficiency: 80% typical.
Switching Frequency: Approximately 100KHz.
 at full load and 12Vdc nominal input.
Circuit Topology: Buck or Boost converter circuit.

Operating Temperature: 0 to +40°C.
Storage Temperature: -20°C to +85°C.
Cooling: Free air convection.
Construction: Plastic enclosure case.
Format: Car cigaret lighter.

MODEL NO. DESCRIPTION: HCD XX - XXX YYY



Due to requests in market and advances in technology, specifications subject to change without notice.

OUTPUT VOLTAGE / CURRENT RATINGS CHART

Model No. for example

MODEL NO.	INPUT VOLTAGE (Vdc)	OUTPUT		
		VOLT. (V)	Amp. (A)	WATTS (W)
HCD15-050275	12Vdc	5.0Vdc	2.75A	13.75W
HCD15-060250	12Vdc	6.0Vdc	2.50A	15.00W
HCD15-090160	12Vdc	9.0Vdc	1.60A	14.40W
HCD15-120120	12Vdc	12.0Vdc	1.20A	14.40W
HCD15-180083	12Vdc	18.0Vdc	0.83A	15.00W

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 73g (2.58 Oz.).

