



**DC-DC CAR ADAPTER SINGLE OUTPUT 12 WATTS WIDER INPUT
12-24VDC CONVERTER MODEL APS12CD SERIES**



FEATURES:

- CIGARETTE-LIGHTER SOCKET PLUG-IN CAR ADAPTER
- COMPACT & IMPACT RESISTANT THERMOPLASTIC ENCLOSURE CASE
- HIGH EFFICIENCY BUCK CONVERTER
- NOISE & RIPPLE LESS THAN 1% PEAK TO PEAK

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Nominal 12Vdc and 24Vdc.
Input Voltage Range: 12-16.0Vdc or 19-26.0Vdc.
Input Connector: Car cigarette lighter plug.
Input Frequency: DC only.
Dielectric Withstand: Non-isolation.
OVP: None
Overload Protection (OLP): Non.

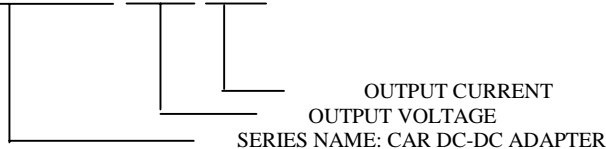
OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: Typ. 12 Watts.
Output Connector: Optional.
Output Indicator: Green LED.
Line Regulation: Typ. 0.5%.
Load Regulation: Typ. ±3 to 5% (depends upon output load current & selected cord length/AWG #.)
Noise & Ripple: Typ. 1.0% peak to peak.

GENERAL SPECIFICATION

Efficiency: Typ. 78-82%.
Switching Frequency: Typ. 40KHz at full load.
Circuit Topology: Buck converter circuit.
Format: Car cigarette plug.
Operating Temperature: 0 to +50°C.
Storage Temperature: -20 to +85°C.
Cooling: Free air convection.
Construction: Plastic enclosure case.

MODEL NO. DESCRIPTION: APS1 2 C D - XXX YYY



OUTPUT VOLTAGE / CURRENT RATINGS CHART

Model No. (for Example only)

MODEL NO.	INPUT VOLTAGE (Vdc)	Volt. (V)	OUTPUT Amp. (A)	Watts (W)
APS12CD-033250	12-24Vdc	3.3Vdc	2.50A	8.25W
APS12CD-055200	12-24Vdc	5.5Vdc	2.00A	11.00W
APS12CD-060200	12-24Vdc	6.0Vdc	2.00A	12.00W
APS12CD-085142	12-24Vdc	8.5Vdc	1.42A	12.00W
APS12CD-090135	12-24Vdc	9.0Vdc	1.35A	12.00W
APS12CD-120100	24Vdc	12.0Vdc	1.00A	12.00W
APS12CD-180070	24Vdc	18.0Vdc	0.70A	12.50W

MECHANICAL DIMENSIONS: MM [INCHES]

Weight: 65.0g (2.29 Oz.)

