

## DC-DC CONVERTER CAR ADAPTOR SINGLE OUTPUT 8, 15 WATTS POWER SUPPLIES MODEL NO. APS08CD & APS15CD 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 to 18Vdc  
**Input Connector:** Car cigarette lighter plug  
**Input Frequency:** DC only  
**Dielectric Withstand:** Non-isolation  
**OVP:** Not included  
**Overload Protection:** Not included

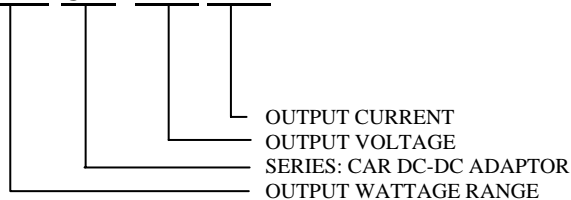
#### OUTPUT SPECIFICATION

**Output Voltage:** See Ratings Chart  
**Output Current:** See Ratings Chart  
**Output Wattage:** APS08CD typ. 8.0 Watts  
 APS15CD typ. 15.0 Watts  
**Output Connector:** Optional  
**Output Indicator:** Green LED  
**Line Regulation:** 0.1% typical  
**Load Regulation:** ±1.0% typical  
**Noise & Ripple:** Typ. 1.0 % peak to peak

#### GENERAL SPECIFICATION

**Efficiency:** Typical 80%  
**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 cigarette lighter

#### MODEL NO. DESCRIPTION: APS XX CD - XXX YYY



## OUTPUT VOLTAGE / CURRENT RATINGS CHART

Model No. as examples

MODEL NO.	INPUT VOLTAGE (Vdc)	OUTPUT		
		VOLT. (V)	Amp. (A)	WATTS (W)
APS08CD-033220	12Vdc	3.3Vdc	2.20A	7.26W
APS08CD-050140	12Vdc	5.0Vdc	1.40A	7.00W
APS08CD-080100	12Vdc	8.0Vdc	1.00A	8.00W
APS08CD-090090	12Vdc	9.0Vdc	0.09A	8.10W
APS08CD-240035	12Vdc	24.0Vdc	0.35A	8.40W
APS15CD-050275	12Vdc	5.0Vdc	2.75A	13.75W
APS15CD-060250	12Vdc	6.0Vdc	2.50A	15.00W
APS15CD-090160	12Vdc	9.0Vdc	1.60A	14.40W
APS15CD-120120	12Vdc	12.0Vdc	1.20A	14.40W
APS15CD-180083	12Vdc	18.0Vdc	0.83A	15.00W

**MECHANICAL DIMENSIONS:** MM [INCHES] Weight: APS08CD & APS15CD 73g (2.58 Oz.).

