

## Special Features

- Universal Input Voltage range
- High Efficiency and Reliability
- Small size and low profile
- DC inlet: Standard Car Lighter plug
- High power density
- Low lose in empty load
- Low output ripple
- MTBF demonstrated: >50,000 hours



## Electrical Specs

### Input

- Input voltage  12~24 VDC
- Efficiency  73% min
- Input current  Input cureent (RMS): 1.5A Max Vin 12VDC

### Output

- Maximum power  12W max
- Over shoot   $\leq 10\%$  of normal voltage value.
- Overload protection  Over load protection and with auto- recovery function
- SCP  short circuited protection and with auto- recovery function

## Environment

Operating temperature : 0° to 40°C

Storage temperature : -20°C to +80°C

Operating Humidity : 20% to 80% RH.

Storage Humidity : 5% to 95% RH

Vibration:

Three orthogonal axes, sweep at 1 oct/min, 5 min. dwell at four

major resonances 0.75G peak 5Hz to 500Hz, operational.

## Contact Information

WEBSITE: WWW.PHIPOL.COM

SALES E-MAIL: Sales.phipol@gmail.com  
info@phipol.com

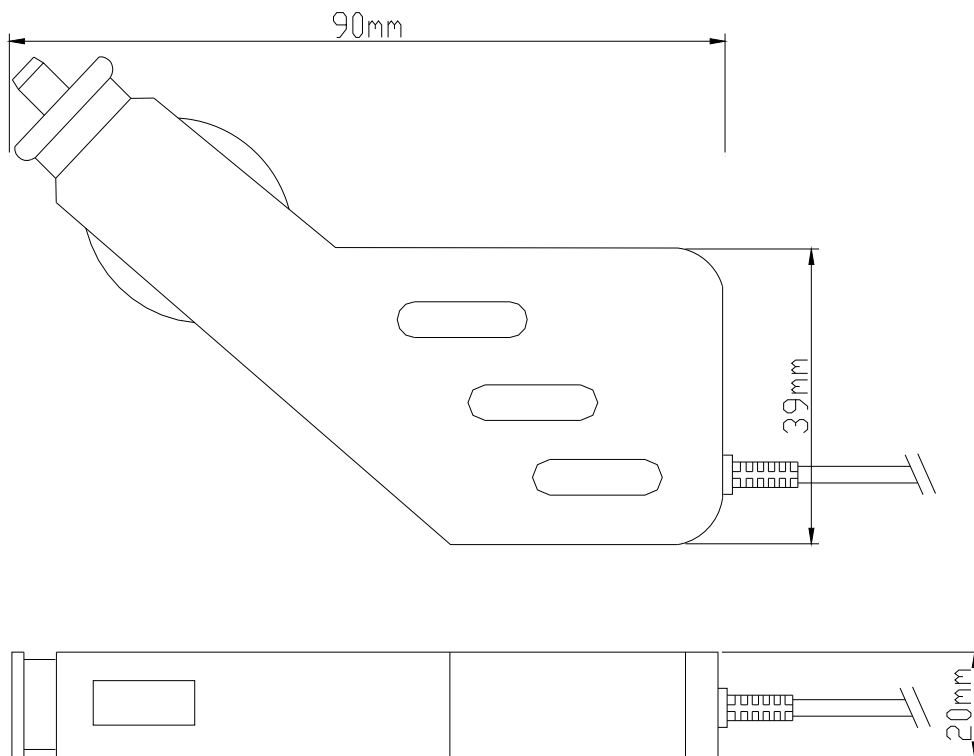
## Safety

- E-MARK
- EMC standard: EN55022 and FCC part 15 (class B)

## Ordering Information

Part Number	Input Volts	Output Volts	Road	Max Power	Regulation	Ripple P/P (PAR)
E-DWGxxx-yyyM	12 - 24 Vdc	3.3 - 12 V	0.1 - 1.5 A	12 W	± 5%	50 - 120 mV

## Mechanical Drawing



**Notes:**

1. Dimensions shown in mm as left.
2. Size: 90 x 39x 20mm (+/-1.0mm)
3. DC cable: Of your choice.

Concentric Barrel Plug		
A (OD)	B (ID)	C (L)
6.5	3.0	8~14
5.5	2.5	8~14
5.5	2.1	8~14
5.0	2.5	8~14
5.0	2.1	8~14
3.8	1.35	8~14
3.8	1.05	8~14
3.5	1.35	7~14

The diagram shows a cross-section of a concentric barrel plug. Dimension A is the outer diameter (OD), B is the inner diameter (ID), and C is the length (L).