

## FEATURES

- High Reliability
- Built in Inductor
- Small Packaging
- Standard Output Voltage Adjustment  
( With External Potentiometer)
- Custom Control Chip Yields Compact Size with Low Cost
- No Heat Sink Required

## SPECIFICATIONS

### INPUT

Voltage Range See Model Selection Table

Max. Input Current See Model Selection Table

### OUTPUT

Output Voltage See Model Selection Table

Set Point  $\pm 2\%$

Regulation

Total  $\pm 5\%$

Noise & Ripple, (peak-to-peak)

5V Output 25 mV max.

12V Output 25 mV max.

Output Current See Model Selection Table

Short-Circuit Protection Foldback with automatic reset

Efficiency 75 - 91% (typ.)

Remote ON / OFF Control Available

Instantaneous Output Current 1.4A

## ENVIRONMENTAL

Operating Ambient Temp.  $-10$  to  $+70^{\circ}\text{C}$  (See Derating Chart)

Storage Temp.  $-30$  to  $+85^{\circ}\text{C}$

Cooling Conditions No external heat sink required

## FUNCTIONS

Overload Protection Current limit (automatic reset)

Thermal Protection Standard

Remote ON/OFF Standard

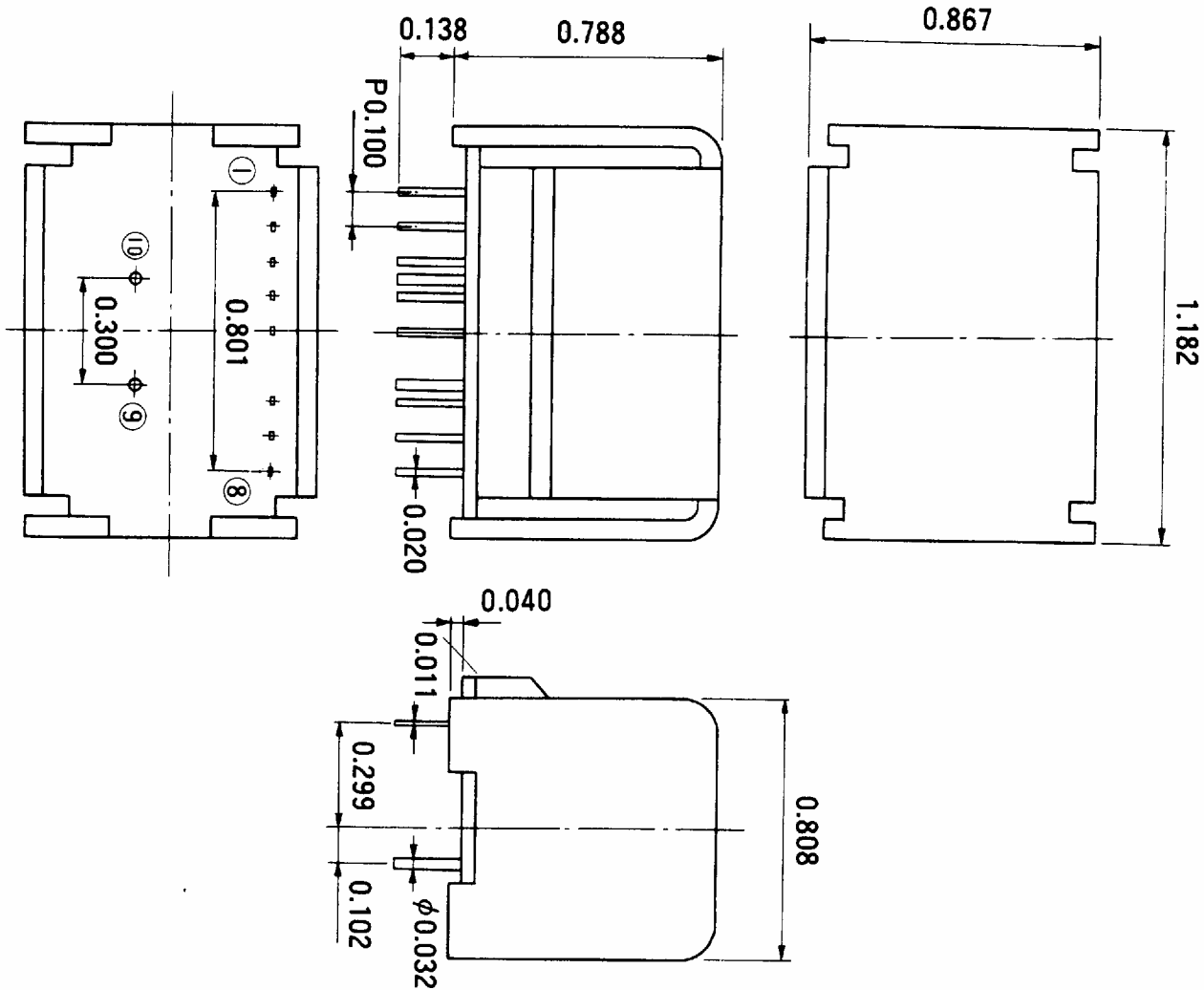
## MODEL SPECIFICATIONS

Output			Model and Input Range	
Volts	Range*	Amps	8-32 VDC	17-32 VDC
+5	3 to 11	1.2/2A Peak	HLD051R2M	—
+12	8 to 24	1.2/2A Peak	—	HLE121R2M
-5	-2 to -8	1.0	HLND05001M	—
-12	-8 to -20	0.7	HLND120R7M	—

\* With external potentiometer

## MECHANICAL SPECIFICATIONS

Size (W x D x H) 0.79 x 1.18 x 0.87 inches (20 x 30 x 22 mm)  
 Weight 0.3 oz (8.5 g)

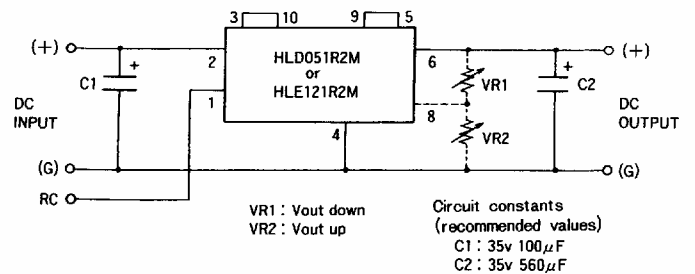


## TERMINAL FUNCTION

No.	Function
1	Remote control
2	(+) Input
3	Relay
4	Ground
5	Relay or Drooping setting
6	(+) Output
7	Drooping setting* (see note)
8	Output voltage adjustment
9	Coil
10	Coil

\*Note: Do not connect when operating normally

## STANDARD EXTERNAL CONNECTION DIAGRAM



Note 1 : The following terminals must be connected together : 3 and 10  
 5 and 9

Note 2 : When not using the remote control, please connect the RC terminal to the ground side for operation.

Dimensions in inches; ( ) Dimensions in mm.