

EDP0504

electronic pump control (OEM)



Main features

- very compact size
- low power consumption
- very low standby current



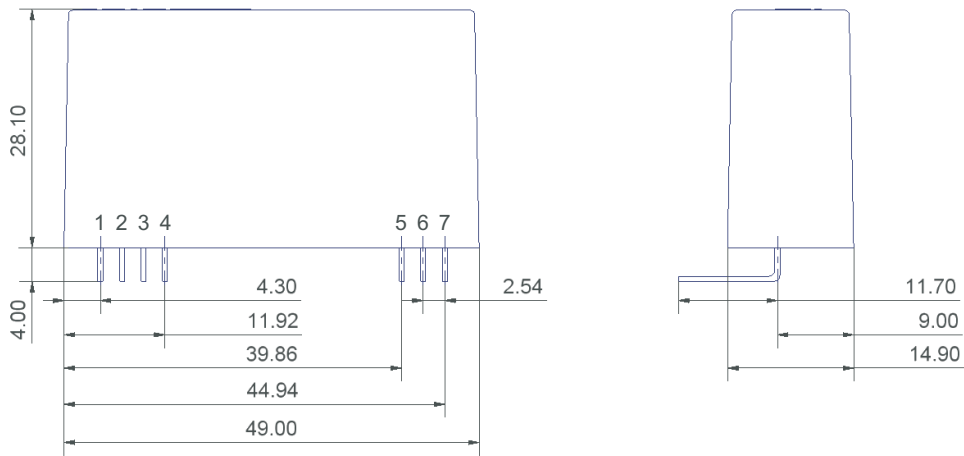
The EDP0504 is an electronic pump control developed to drive the MDP1304 micro pump in OEM applications. The

pump's flow rate is frequency dependent; in order to control the frequency an external clock (TTL signal) is required. Compact in size and with low

power consumption, the EDP0504 is ideally suited for portable applications.

Technical specifications

supply voltage	
DC (stabilized)	4.5 - 7 V
battery	6 V
current consumption in shutdown mode	< 70 μ A
current / power consumption (at 5 V DC and operated with MDP1304 micro pump)	
	25 mA / 125 mW @ 1 Hz
	50 mA / 250 mW @ 30 Hz
output voltage	
	+360 V \pm 2% (stabilized)
	-84 V \pm 2% (stabilized)
frequency range	0 - 200 Hz
Input resistance for frequency input	30 k Ω
Input resistance shutdown	50 k Ω
operating temperature	+5° - +40° C
storage temperature	-25° - +85° C
dimensions	49 mm \times 28 mm \times 15 mm
weight	33 g



(all dimensions in mm)

Pin assignment

pin	name	function
1	F_IN	frequency input (TTL level)
2	SD	shutdown (+5 V active, TTL level)
3	V_IN	supply voltage (stabilized)
4	GND	logic ground
5	GND	high voltage ground
6		not connected
7	HV_OUT	high voltage out

Order information

Description	Product code	Order code
OEM Pump Control	EDP0504	EA05XX0401