

KL-8056 Specification:

- **Voltage: 20V - 80VDC**
- **Current: 2.8 - 5.6 A (Dip Switch)**
- **Micros Steps: 1,2, 4, 8, 16, 32, 64**
- **Clock Frequency: 0.... 400 kHz Max.**
- **Pulse Width (Clock): Min. 1.25 us high/low**
- **Thermal Protection**
- **Short Circuit and Wrong polarity protection**
- **Optoisolated signal input**
- **Ambient Temperature: 0 to 50C (Insure the driver Temperature < 65C)**



Pin and Signal Description:

Dir + To +5V

Dir - Direction Signal

Pul + To +5V

Pul - Pulse Signal

ENA+ To +5V

ENA- Open

GND GND

V+ 20—80 DVC

A+,A-,B+,B-

5V/ no resistor, 12V/ 820 ohm resistor, 24V/ 2K resistor

Step Mode	SW1	SW2	SW3	Current Setting	SW6	SW7	SW8	Mode	SW4	SW5
1/1	ON	ON	ON	2.8	OFF	OFF	OFF	1	ON	ON
1/2	ON	ON	OFF	3.2	ON	OFF	OFF	2	ON	OFF
1/4	ON	OFF	ON	3.6	OFF	ON	OFF	3	OFF	ON
1/8	ON	OFF	OFF	4.0	ON	ON	OFF	4	OFF	OFF
1/16	OFF	ON	ON	4.4	OFF	OFF	ON			
1/32	OFF	ON	OFF	4.8	ON	OFF	ON			
1/64	OFF	OFF	ON	5.2	OFF	ON	ON			
				5.6	ON	ON	ON			

Mode 1: Smooth and advance: for high current stepper motor

Mode 2: Smooth: Lower running Noise

Mode 3: Advance: for high torque at middle speed

Mode 4: Criterion: all stepper motors