



DCS4020 Bipolar Chopper Drive

When a single power supply is all that is necessary to easily run the motor

Feature-packed driver provides all basic motor controls including full or half-stepping of bipolar steppers, directional control, and output enable control. An oscillator circuit is standard on the drive with an on-board speed control potentiometer. In addition, external input/output signals allow complete remote control of all drive functions. On-board potentiometer and no external current setting resistors required.

- Easy set up and use
- Electrical connectors have removable plugs incorporating screw type terminals

On-board or External	
– Step pulse clock	– Step rate control potentiometer
– Single step switch	– Direction control
– Full step / half step control	– Outputs enable control
– Current control potentiometer*	

*On-board only.

Specifications	
Size	4.47" x 3.38" x 1.31" (113.54mm x 85.85mm x 33.27mm)
Power requirement	Single unregulated, power supply providing +12 VDC to +40 VDC
Output current	Fully adjustable from 66 mA rms/Ø to 2 A rms/Ø continuous duty
Continuous rating	2 A rms/Ø
Chopper frequency	~20 KHz
On-board oscillating range	<10 pulses/sec. to >2,000 pulses/sec.
Stepping	Full step / half step capability
I.C.s	S.T. Micro: L297 (control I.C.) and L298 (dual full wave bridge)

For Europe the maximum input voltage must be limited to 70 VDC (CE Regulations)

Dimensional Drawing

