
OE2M2283 2 相数字驱动器

OE2M2283 2 Phase Stepper Motor Driver

概述 Descriptions

OE2M2283 是采用等角度恒力矩细分型高性能步进电机驱动器，适用 130mm、110mm 等 8A 以下两相、四相混合式步进电机。该驱动器采用类似伺服控制原理的电路，此电路具有运行平稳、噪音低、振动低、电机温升低等特点。因驱动器工作电压高，使电机在高速时力矩大大的高于其他两相、四相混合式及传统式步进电机。其微步细分有 16 种，最大细分数 1/256（步数为 51200 步/转）；其工作电流范围为 2.0A-8.3A，输出电流共有 16 档，电流分辨率约为 0.4A；具有自动半流、自检、过压、欠压和过流等保护功能。本驱动器为交流供电，建议工作电压范围为 150VAC-220VAC，电压不超过 240VAC 不低于 130VAC。

OE2M2283 is to use the perspective of constant torque subdivided type high-performance stepper motor drives, for 130 mm and 110 mm, 8 a two phase, four phase hybrid stepping motors. The driver adopted similar servo control principle of the circuit, the circuit has stable operation, low noise, low vibration, low motor temperature rise, etc. Due to the high working voltage, drive torque motor in high speed greatly higher than the other two phase, four phase hybrid and traditional stepper motor. Its micro step has 16 kinds of segment, the maximum fine fraction 1/256 step (step 51200 / roll); The scope of its working current of 2.0 A - 8.3 A, output current, A total of 16 file current resolution of about 0.4 A; With automatic flow, self-check, over-voltage, under-voltage and over-current protection function. This drive for the ac power supply, it is recommended that the operating voltage range is 150 vac - 220 vac, voltage does not exceed 240 vac is not lower than 130 vac.

特点 Features

- 高性能、低价格
- 内置微步细分
- 停止时自动半流
- 光电隔离信号输入/输出
- 脉冲响应频率最高可达 200KHz
- 低温升、低振动
- 在线自适应 PID 技术
- High-performance, low price
- micro-step
- Automatic idle-current reduction
- Optical isolating signal I/O
- Max response frequency up to 200Kpps
- Low temperature rise, smooth motion
- Online adaptive PID technology

应用 Application

适合各种中小型自动化设备和仪器，例如：雕刻机、打标机、切割机、激光照排、绘图仪、数控机床、自动装配设备等。在用户期望小噪声、高速度的设备中应用效果特佳。

Suitable for all kinds of small and medium sized automation equipment and instruments, such as: engraving machine, marking machine, cutting machine, laser lighting, plotter, cnc machine, automatic assembly equipment, etc. It use very well in the equipment that user expects small noise, and high speed

电气指标和工作环境 Electrical, mechanical and environmental indicators

电气参数	最小值	典型值	最大值	单位
输入电压交流(VC)	150	-	220	VAC
输出电流峰值	0	-	8	A
脉冲频率	0	-	200	KHZ
输入信号电流	7	10	16	mA

使用环境及参数

冷却方式		自然冷却或强制风冷
使用环境	场合	不能放在其它发热的设备旁，要避免粉尘、油雾、腐蚀性气体，湿度太大及强振动场所，禁止有可燃气体和导电灰尘；
	温度	-5℃ ~ +50℃
	湿度	40 ~ 90%RH
	振动	5.9m/s ² MAX
保存温度		-20℃~80℃
使用海拔		1000 米以下
重量		约 1.7 千克

Electrical indicators

Parameter	Min	Typical	Max	Unit
Input Voltage(AC)	150	-	220	VAC
Output current	0	-	8.3	A
Pulse Signal Frequency	0	-	200	KHZ
Logic Signal Current	7	10	16	MA

Using environment and parameters

Cooling method		Natural cooling or forced air cooling
Using environment	occasion	Can not be placed next to other heating equipment, should avoid dust, oil mist, corrosive gas, too big humidity and strong vibration place, prohibit to have combustible gas and conductive dust
	temperature	-5℃ ~ +50℃
	humidity	40 ~ 90%RH
	vibration	5.9m/s ² MAX
Storage temperature		-20℃ ~ 80℃
Using altitude		Below 1000 metres
Weight		About 1.7kg

3、安装尺寸 installation dimension