

Datasheet 2-Phase Sinus Driver

1. Features

- Clock up to 10kHz
- Input Direction
- Input Run/Stop Motor
- Input Ramp Fast/Slow
- Ramps adjustable
- Reduced EMI, no PWM-Chopper
- Antiresonance circuit
- Used as Reference-Driver (Lab)
- Protected against short circuits (GND, to Vs)
- Dim.: 62 x 100 x 22mm (W x L x H)

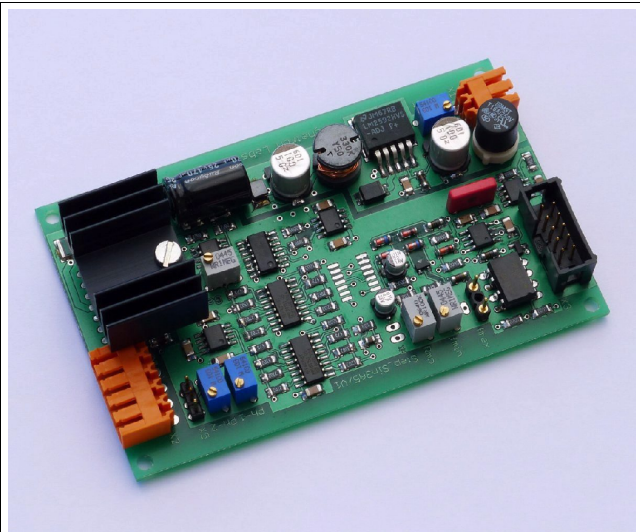


Fig. 1

2. Specifications

Characteristics	Conditions	Unit	Value
Supply Voltage Range	Motor with 2Ω/Ph load	[VDC]	12 to 18
Clock Range	With Ramp	[kHz]	0.05 to 10.00
Maximum Output Current/Ph	100%ED	[A]	1.0
Current Standby, Motor disable	/Standby	[A]	0.2
Ambient Temperature T _J	12VDC/0.75A	[°C]	0 to 35
Storage Temperature T _{STG}	No Supply Voltage	[°C]	-40 to 70

3. Control Interface, Connector X3 (2 x 5-pol. Molex)

Pin-No	Input/Output	Function
1, 3	GND	Signal-0
2	Input Dir	Direction of rotation, CW: active H
4	Input Fast/Slow	Signal Ramp start: active H
5	Input STBY	Motor disable: active L
6, 10	Vs, (12 to 18VDC)	Supply ext. Switch, Inputs etc.
7	Output Clock	Frequency Generator, OC (20mA max)
8	Input Stop/Run	Motor stop, active H
9	NC	Not connected, Reserve