

MM1784

2023/07/20

Outline

This IC is a motor driver IC for 5~12V fan.

The single-phase full-wave drive switching noise is small, efficient motor drive is possible.

This IC has a built-in Lock protection, FG output, TSD is suitable driver for fan motor.

Features

1. Supply voltage range 2.8~14V
2. Output current 0.8A
3. Operating temperature range -40~90°C
4. Consumption current (Drive) 5mA typ.
5. Output put V_{sat} voltage 1.1V typ, I_o=200mA
(Upper + lower V_{sat} voltage)
6. Hall Bias voltage (VHB=1.5V) Built-in
7. Lock-Protection Built-in
8. Auto Restart Built-in
9. Thermal Shut Down circuit Built-in

Application

1. Cooling fan

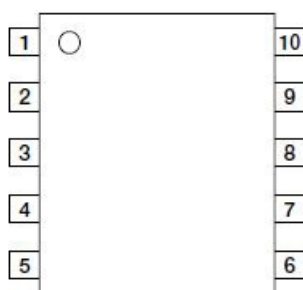
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Package

SOP-10A

Pin Assignment

SOP-10A
(TOP VIEW)

Pin No.	Pin Name	Function
1	IN+	Hall input positive (+)
2	HB	Hall element bias
3	IN-	Hall input negative (-)
4	CT	Capacitor Time
5	OUT1	Driver output positive (+)
6	GND	GND
7	OUT2	Driver output negative (-)
8	VCC	Vcc
9	FG	Frequency generator
10	LD	Lock detection

NOTE

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-Any products mentioned in this catalog are subject to any modification in their appearance and others for improvements without prior notification.

-The details listed here are not a guarantee of the individual products at the time of ordering. When using the products, you will be asked to check their specifications.