Product Overview

LB1668M: Motor Driver,Brushless,Two-Phase

For complete documentation, see the data sheet.

The LB1668M is 2-phase unipolar drive brushless motor driver that feature a wide usable voltage range and a minimal number of required external components. They also support the formation of motor lock protection and automatic recovery circuits.

Features

- Output protection Zener diodes with variable breakdown voltages :
  When the Z1 and Z2 pins are open : VOLM = 57V
  When the Z1 and Z2 pins are shorted : VOLM = 32V
  An external Zener diode can be connected between
- Can support both 12V and 24V power supplies by changing an external resistor.
- Hall elements can be connected directly.
- Built-in rotation detection function that outputs low when driven and high when stopped.
- Motor lock protection and automatic recovery functions built
- Thermal shutdown function.

Part Electrical Specifications

Product	Compliance	Status	Phase	V_M Min (V)	V_M Max (V)	V_{CC} Min (V)	V_{CC} Max (V)	I_O Max (A)	I_O Peak Max (A)	Control Type	Package Type
LB1668M-TLM-E	Pb-free Halide free	Active	2					1.5			SOIC-14W / MFP-14S
LB1668M-TLM-H	Pb-free Halide free	Active	2					1.5			SOIC-14W / MFP-14S
LB1668M-W-AH	Pb-free Halide free	Active	2					1.5			SOIC-14W / MFP-14S

For more information please contact your local sales support at www.onsemi.com.

Created on: 1/21/2019