Product Overview

LB11620T: Three-Phase Direct PWM Brushless Motor Driver

For complete documentation, see the data sheet.

The LB11620T is a direct PWM drive predriver IC that is optimal for three-phase power brushless motors. A motor driver circuit with the desired output capability (voltage and current) can be implemented by adding discrete transistors or other power devices to the outputs of this IC. Since the LB11620T is provided in a miniature package, it is also appropriate for use with miniature motors as well.

Features

- Three-phase bipolar drive
- Direct PWM drive (input of either a control voltage or a variable-duty PWM signal)
- Built-in forward/reverse switching circuit
- Full complement of protection circuits (current limiter, low-voltage, and automatic recovery lock (motor constraint protection circuits)
- Selectable Hall sensor signal pulse output

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
LB11620T-TLM-E	Pb-free	Active	3			8	17	0.025	0.03	PWM	TSSOP-24
LB11620T-TLM-H	Pb-free Halide free	Active	3			8	17	0.025	0.03	PWM	TSSOP-24

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

Created on: 1/22/2019