Product Overview

LB11923V: 3-Phase Brushless Motor Driver

For complete documentation, see the data sheet.

LB11923V is a pre-driver IC designed for variable speed control of 3-phase brushless motors.It can be used to implement a motor drive circuit with the desired output capacity (voltage, current) by using discrete transistors for the output stage. It implements direct PWM drive for minimal power loss. Because the LB11923V includes an integrated VCO circuit, applications can control the motor speed arbitrarily by varying the external clock frequency.

Features

- Direct PWM drive
- Speed discriminator + PLL speed control circuit
- Speed lock detection output
- Integrated crystal oscillator circuit
- Forward/reverse switching circuit
- Braking circuit (short braking)
- Full complement of on-chip protection circuits, including lock protection, current limiter, and thermal shoutdown protection circuits.

Applications

- Computing & Peripherals
- OA equipment

End Products

- Multi-Function Printer
- PC

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
LB11923V-TLM-E	Pb-free Halide free	Active	3			4.4	8	0.03		Clock	SSOP-44

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

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