

## Product Overview

### LV8712T: Stepping Motor Driver, Constant-Current Control, PWM

For complete documentation, see the data sheet.

The LV8712T is a microstepping motor driver with built-in translator for easy operation. It supports full-step, half-step, quarter-step, and 1/8-step resolution. The LV8712T is optimal for driving stepping motors of scanners and small printers.

#### Features

- Excitation mode can be set to 2-phase, 1-2 phase, W1-2 phase, or 2W1-2 phase
- Microstep can control easily by the CLK-IN input.
- Output ON resistance RON = 1.1 (upper and lower total, typical, Ta = 25°C)
- Stand-by Current: 0uA
- TSSOP24 Package
- Single-channel PWM constant-current control stepping motor driver incorporated.
- Power-supply voltage of motor VM max = 18V
- Output current IO max = 0.8A
- A thermal shutdown circuit and a low voltage detecting circuit are built into.

#### Benefits

- Various Step Adjustment Available
- Easy control
- High Efficiency
- Low Consumption
- Small Design

#### Applications

- Stepper Motors
- Computing & Peripherals
- Industrial

#### End Products

- Point-of-Sale Printers
- Flatbed Scanner
- Document Scanner
- PoE Point of Sales Terminal
- PoE Security Camera

#### Part Electrical Specifications

| Product       | Pricing (\$/Unit) | Compliance             | Status | VM Min (V) | VM Max (V) | VCC Min (V) | VCC Max (V) | IO Max (A) | IO Peak Max (A) | Step Resolution | Control Type | Current Sense     | Fault Detection | Package Type |
|---------------|-------------------|------------------------|--------|------------|------------|-------------|-------------|------------|-----------------|-----------------|--------------|-------------------|-----------------|--------------|
| LV8712T-TLM-H | 1.228             | Pb-free<br>Halide free | Active | 4          | 16         | 2.7         | 5.5         | 0.8        | 1               | ¼               | Clock        | External Resistor | Thermal<br>UVLO | TSSOP-24     |

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