Fan Speed PWM Controller

Features
- Constant Fan Speed Control
- PWM control for stable operation
- Build-in MOSFET switch
- SMBus interface
- Internal short-circuit protection
- On/Off control provided

Applications
- Notebook PC
- Industrial PC
- LAN Switch
- Servers
- Telecom equipment
- Industrial Control

General Description
G760 is a single chip solution for fan speed control, packaged in a space saving SO-8 package. It connects directly to the fan and performs closed-loop control of the fan speed. The only external component required is a 10µF capacitor. It determined the current fan speed based on the fan rotation pulses and an externally supplied clock. It uses pulse width modulation (PWM) method and an on-chip MOSFET to control the fan speed to ±2% of the programmed speed. The desired fan speed is programmed via the SMBus. The actual fan speed and fan status can be read via the SMBus. Short-circuit protection is implemented to prevent damages to the fan and this IC itself. An On/Off control pin is also provided.

Ordering Information

<table>
<thead>
<tr>
<th>ORDER NUMBER</th>
<th>TEMP. RANGE</th>
<th>TRANSPORT MEDIA</th>
<th>PACKAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>G760A</td>
<td>-55°C to +125°C</td>
<td>2500 Units on Tape and Reel</td>
<td>SOP-8L</td>
</tr>
<tr>
<td>G760Af</td>
<td>-55°C to +125°C</td>
<td>2500 Units on Tape and Reel</td>
<td>SOP-8L (Pb Free)</td>
</tr>
</tbody>
</table>

Pin Configuration

![Pin Configuration Diagram](image)